

STIC-Biotech/ChemLib

112004

From: Holleran, Anne  
Sent: Tuesday, January 13, 2004 3:36 PM  
To: STIC-Biotech/ChemLib  
Subject: sequence search for 09/434/382

Please search the following sequences for 09/434,382 against the interference search databases only:

SEQ ID NO: 2(aa)

SEQ ID NO: 1(na)

SEQ ID NO: 3(na)

SEQ ID NO: 28(na), bases 1-500

SEQ ID NO: 28(na), bases 21800-22600

SEQ ID NO: 28(na), bases 26164-26664

Anne Holleran  
AU: 1642  
Tel: 308-8892  
RM: 8e03

mailbox: 8e12

RECEIVED  
JAN 13 2004  
STIC

Searcher: Jan  
Phone: 22504  
Location: \_\_\_\_\_  
Date Picked Up: 1/13  
Date Completed: 1/14  
Searcher Prep/Review: \_\_\_\_\_  
Clerical: 15  
Online time: +20

TYPE OF SEARCH: ☒  
NA Sequences: \_\_\_\_\_  
AA Sequences: ☒  
Structures: \_\_\_\_\_  
Bibliographic: \_\_\_\_\_  
Litigation: \_\_\_\_\_  
Full text: \_\_\_\_\_  
Patent Family: \_\_\_\_\_  
Other: \_\_\_\_\_

VENDOR/COST (where applic.)  
STN: \_\_\_\_\_  
DIALOG: \_\_\_\_\_  
Questel/Orbit: \_\_\_\_\_  
DRLink: \_\_\_\_\_  
Lexis/Nexis: \_\_\_\_\_  
Sequence Sys.: ☒  
WWW/Internet: \_\_\_\_\_  
Other (specify): \_\_\_\_\_





US-09-564-805-28

Query Match 100.0%; Score 501; DB 4; Length 2664;

Best Local Similarity 100.0%; Pred. No. 8.7e-160; Mismatches 0; Indels 0; Gaps 0;

Matches 501; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
QY 1 GGTATGAGCTGTGCGAGGCTTGGGCTCCCATTAAGCACTAGTCTATAGATGCTCTT 60
DB 26164 GGTATGAGCTGTGCGAGGCTTGGGCTCCCATTAAGCACTAGTCTATAGATGCTCTT 26223
QY 61 AGGACTGTGCTGTGCGACAGCCGCGGCGCAGAGAGCTGCGACACGGAAGACAGATGA 120
DB 26224 AGGACTGTGCTGTGCGACAGCCGCGGCGCAGAGAGCTGCGACACGGAAGACAGATGA 26283
QY 121 ACTAATTCATTTCAGAGCAGTTTAAAGAGCTTGGAAAAGAGCGGCGCACCTTTC 180
DB 26284 ACTAATTCATTTCAGAGCAGTTTAAAGAGCTTGGAAAAGAGCGGCGCACCTTTC 26343
QY 181 CTCTAATCCAGCAAGATGATTCCTGCGACACGAGACAGAGATTAACAGATCACTG 240
DB 26344 CTCTAATCCAGCAAGATGATTCCTGCGACACGAGACAGAGATTAACAGATCACTG 26403
QY 241 GGTCTAAGTGTCCGAGACTTAAAGAAATAGTATTTCACTGCAATTAAGATTGACTTG 300
DB 26404 GGTCTAAGTGTCCGAGACTTAAAGAAATAGTATTTCACTGCAATTAAGATTGACTTG 26463
QY 301 CAATTGTGAGTCTTTTGGTCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 360
DB 26464 CAATTGTGAGTCTTTTGGTCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 26523
QY 361 ACCTTGAGAAAGGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 420
DB 26524 ACCTTGAGAAAGGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 26583
QY 421 AAGAAAGTCAAGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 480
DB 26584 AAGAAAGTCAAGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 26643
QY 481 ATTCCGCAAGTCTTTTGGACA 501
DB 26644 ATTCCGCAAGTCTTTTGGACA 26664
```

## RESULT 2

US-09-564-805-27

Sequence 27, Application US/09564805

Patent No. 6333403

GENERAL INFORMATION:

APPLICANT: Tavligian, Sean V.

APPLICANT: Teng, David H.F.

APPLICANT: Simard, Jacques

APPLICANT: Rommens, Johanna M.

APPLICANT: Myriad Genetics, Inc.

TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility

FILE REFERENCE: 2318-258

CURRENT APPLICATION NUMBER: US/09/564, 805

CURRENT FILING DATE: 2000-05-05

PRIOR APPLICATION NUMBER: US 60/107,468

PRIOR FILING DATE: 1998-11-06

PRIOR APPLICATION NUMBER: 09/434,382

PRIOR FILING DATE: 1999-11-05

NUMBER OF SEQ ID NOS: 240

SOFTWARE: Patent Ver. 2.0

SEQ ID NO 27

LENGTH: 655

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE: misc\_feature

NAME/KEY: (1)..(228)

LOCATION: (1)..(228)

OTHER INFORMATION: exon 24

NAME/KEY: polyA\_signal

LOCATION: (636)..(641)

US-09-564-805-27

Query Match 60.5%; Score 303; DB 4; Length 655;

Best Local Similarity 100.0%; Pred. No. 3e-93; Mismatches 0; Indels 0; Gaps 0;

Matches 303; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
QY 1 GGTATGAGCTGTGCGAGGCTTGGGCTCCCATTAAGCACTAGTCTATAGATGCTCTT 60
DB 353 GGTATGAGCTGTGCGAGGCTTGGGCTCCCATTAAGCACTAGTCTATAGATGCTCTT 412
QY 61 AGGACTGTGCTGTGCGACAGCCGCGGCGCAGAGAGCTGCGACACGGAAGACAGATGA 120
DB 413 AGGACTGTGCTGTGCGACAGCCGCGGCGCAGAGAGCTGCGACACGGAAGACAGATGA 472
QY 121 ACTAATTCATTTCAGAGCAGTTTAAAGAGCTTGGAAAAGAGCGGCGCACCTTTC 180
DB 473 ACTAATTCATTTCAGAGCAGTTTAAAGAGCTTGGAAAAGAGCGGCGCACCTTTC 532
QY 181 CTCTAATCCAGCAAGATGATTCCTGCGACACGAGACAGAGATTAACAGATCACTG 240
DB 533 CTCTAATCCAGCAAGATGATTCCTGCGACACGAGACAGAGATTAACAGATCACTG 592
QY 241 GGTCTAAGTGTCCGAGACTTAAAGAAATAGTATTTCACTGCAATTAAGATTGACTTG 300
DB 593 GGTCTAAGTGTCCGAGACTTAAAGAAATAGTATTTCACTGCAATTAAGATTGACTTG 652
QY 301 CAA 303
DB 653 CAA 655
```

## RESULT 3

US-09-564-805-3

Sequence 3, Application US/09564805

Patent No. 6333403

GENERAL INFORMATION:

APPLICANT: Tavligian, Sean V.

APPLICANT: Teng, David H.F.

APPLICANT: Simard, Jacques

APPLICANT: Rommens, Johanna M.

APPLICANT: Myriad Genetics, Inc.

TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility

FILE REFERENCE: 2318-258

CURRENT APPLICATION NUMBER: US/09/564, 805

CURRENT FILING DATE: 2000-05-05

PRIOR APPLICATION NUMBER: US 60/107,468

PRIOR FILING DATE: 1998-11-06

PRIOR APPLICATION NUMBER: 09/434,382

PRIOR FILING DATE: 1999-11-05

NUMBER OF SEQ ID NOS: 240

SOFTWARE: Patent Ver. 2.0

SEQ ID NO 3

LENGTH: 2958

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE: misc\_feature

NAME/KEY: (51)..(2531)

LOCATION: (51)..(2531)

OTHER INFORMATION: coding sequence as in SEQ ID NO:1

US-09-564-805-3

Query Match 60.5%; Score 303; DB 4; Length 2958;

Best Local Similarity 100.0%; Pred. No. 7.2e-93; Mismatches 0; Indels 0; Gaps 0;

Matches 303; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
QY 1 GGTATGAGCTGTGCGAGGCTTGGGCTCCCATTAAGCACTAGTCTATAGATGCTCTT 60
DB 2656 GGTATGAGCTGTGCGAGGCTTGGGCTCCCATTAAGCACTAGTCTATAGATGCTCTT 2715
QY 61 AGGACTGTGCTGTGCGACAGCCGCGGCGCAGAGAGCTGCGACACGGAAGACAGATGA 120
```



Db 2716 AGGAGCTGCTGCTGACAGCCCGCGGCGAGAGGCTGCCACACCGGAAGCAGACATGA 2775  
QY 121 ACTAATTCATTTCAAGGACAGTTTAAAGAGCTTGGAAAAGACAGCGGCGACCTTTC 180  
Db 2776 ACTAATTCATTTCAAGGACAGTTTAAAGAGCTTGGAAAAGACAGCGGCGACCTTTC 2835  
QY 181 CTCTAATCCAGCAAGATGATTCCTGACACACAGAGACAGAGATTAACAGATCACTG 240  
Db 2836 CTCTAATCCAGCAAGATGATTCCTGACACACAGAGACAGAGATTAACAGATCACTG 2895  
QY 241 GGTCTAAGTGTCCGAGACTTAAAGAAATAGTATTTGAGCTGCATTAAGATTGATTG 300  
Db 2896 GGTCTAAGTGTCCGAGACTTAAAGAAATAGTATTTGAGCTGCATTAAGATTGATTG 2955  
QY 301 CAA 303  
Db 2956 CAA 2958

## RESULT 4

US-09-564-805-223  
; Sequence 223, Application US/09564805  
; Patent No. 6333403  
; GENERAL INFORMATION:  
; APPLICANT: Tavligian, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
; FILE REFERENCE: 2318-258  
; CURRENT APPLICATION NUMBER: US/09/564,805  
; PRIOR FILING DATE: 2000-05-05  
; PRIOR APPLICATION NUMBER: US 60/107,468  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR APPLICATION NUMBER: 09/434,382  
; PRIOR FILING DATE: 1999-11-05  
; NUMBER OF SEQ ID NOS: 240  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 223  
; LENGTH: 2908  
; TYPE: DNA  
; ORGANISM: Pan troglodytes  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (1)..(2478)  
US-09-564-805-223

Query Match 59.2%; Score 296.6; DB 4; Length 2908;

Best Local Similarity 98.7%; Pred. No. 1.1e-90;  
Matches 299; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 GGTATGAGCTGTGCGGAGGCTTGGGCTCCACATTAAGCACTAGTCTATAGATGCTCTT 60  
Db 2606 GGTATGAGCTGTGCGGAGGCTTGGGCTCCACATTAAGCACTAGTCTATAGATGCTCTT 2665  
QY 61 AGGAGTGTGCTGCGACAGCGCGGCGGAGAGGCTGCGACACGGAAGCAAGCATGA 120  
Db 2666 AGGAGTGTGCTGCGACAGCGCGGCGGAGAGGCTGCGACACGGAAGCAAGCATGA 2725  
QY 121 ACTAATTCATTTCAAGGACAGTTTAAAGAGCTTGGAAAAGACAGCGGCGACCTTTC 180  
Db 2726 ACTAATTCATTTCAAGGACAGTTTAAAGAGCTTGGAAAAGACAGCGGCGACCTTTC 2785  
QY 181 CTCTAATCCAGCAAGATGATTCCTGACACACAGAGACAGAGATTAACAGATCACTG 240  
Db 2786 CTCTAATCCAGCAAGATGATTCCTGACACACAGAGACAGAGATTAACAGATCACTG 2845  
QY 241 GGTCTAAGTGTCCGAGACTTAAAGAAATAGTATTTGAGCTGCATTAAGATTGATTG 300  
Db 2846 GGTCTAAGTGTCCGAGACTTAAAGAAATAGTATTTGAGCTGCATTAAGATTGATTG 2905

QY 301 CAA 303  
Db 2906 CAA 2908

## RESULT 5

US-09-564-805-225  
; Sequence 225, Application US/09564805  
; Patent No. 6333403  
; GENERAL INFORMATION:  
; APPLICANT: Tavligian, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
; FILE REFERENCE: 2318-258  
; CURRENT APPLICATION NUMBER: US/09/564,805  
; PRIOR FILING DATE: 2000-05-05  
; PRIOR APPLICATION NUMBER: US 60/107,468  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR APPLICATION NUMBER: 09/434,382  
; PRIOR FILING DATE: 1999-11-05  
; NUMBER OF SEQ ID NOS: 240  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 225  
; LENGTH: 2892  
; TYPE: DNA  
; ORGANISM: Gorilla gorilla  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (1)..(2478)  
US-09-564-805-225

Query Match 50.8%; Score 254.6; DB 4; Length 2892;  
Best Local Similarity 93.4%; Pred. No. 2.2e-76;  
Matches 283; Conservative 0; Mismatches 4; Indels 16; Gaps 1;

QY 1 GGTATGAGCTGTGCGGAGGCTTGGGCTCCACATTAAGCACTAGTCTATAGATGCTCTT 60  
Db 2606 GGTATGAGCTGTGCGGAGGCTTGGGCTCCACATTAAGCACTAGTCTATAGATGCTCTT 2655  
QY 61 AGGAGTGTGCTGCGACAGCGCGGCGGAGAGGCTGCGACACGGAAGCAAGCATGA 120  
Db 2656 -----GGTGTGCTGCGACAGCGCGGCGGAGAGGCTGCGACACGGAAGCAAGCATGA 2709  
QY 121 ACTAATTCATTTCAAGGACAGTTTAAAGAGCTTGGAAAAGACAGCGGCGACCTTTC 180  
Db 2710 ACTAATTCATTTCAAGGACAGTTTAAAGAGCTTGGAAAAGACAGCGGCGACCTTTC 2769  
QY 181 CTCTAATCCAGCAAGATGATTCCTGACACACAGAGACAGAGATTAACAGATCACTG 240  
Db 2770 CTCTAATCCAGCAAGATGATTCCTGACACACAGAGACAGAGATTAACAGATCACTG 2829  
QY 241 GGTCTAAGTGTCCGAGACTTAAAGAAATAGTATTTGAGCTGCATTAAGATTGATTG 300  
Db 2830 GGTCTAAGTGTCCGAGACTTAAAGAAATAGTATTTGAGCTGCATTAAGATTGATTG 2889  
QY 301 CAA 303  
Db 2890 CAA 2892

## RESULT 6

US-08-261-822A-1  
; Sequence 1, Application US/08261822A  
; Patent No. 5650553  
; GENERAL INFORMATION:  
; APPLICANT: Becker, Joseph R. et al.  
; TITLE OF INVENTION: Plant Genes For Sensitivity to Ethylene  
; NUMBER OF SEQUENCES: 82

;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz & No. 5650553xis  
;; STREET: One Liberty Place, 46th floor  
;; CITY: Philadelphia  
;; STATE: PA  
;; COUNTRY: USA  
;; ZIP: 19103  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Floppy disk  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: Patentin Release #1.0, Version #1.25  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/08/261,822A  
;; FILING DATE: 17-JUN-1994  
;; CLASSIFICATION: 536  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Beardell, Lori Y.  
;; REGISTRATION NUMBER: 34,293  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (215) 568-3100  
;; TELEFAX: (215) 568-3439  
;; INFORMATION FOR SEQ ID NO: 1:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 6042 base pairs  
;; TYPE: nucleic acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: DNA (genomic)  
;; HYPOTHEITICAL: NO  
;; ANTI-SENSE: NO  
;; US-08-261-822A-1

Query Match 6.6%; Score 33.2; DB 1; Length 6042;  
Best Local Similarity 51.3%; Pred. No. 0.97; Indels 0; Gaps 0;  
Matches 77; Conservative 0; Mismatches 73; Indels 0; Gaps 0;

QY 200 TTCCCTGCACACAGACAGCAAGATGATGAGTCTAAGTGTCCGAGACT 259  
DB 618 TTCCCTGGAAGATCTGAATGCGTAGATCATACGGATCTTTGCTTTTGGT 677  
QY 260 TAACGAAATAGATTTTTCAGCTGCATTAAGATGAGTTGCAATGAGTCTTTTGC 319  
DB 678 CAGCGTTAGATTTCTTTAGCTTCAAGTTAGTTGAATTTGATTTTGTGAGCTTATC 737  
QY 320 TTCCCTGCTGCTGCTGCTACAGAGCGGTC 349  
DB 738 TTCTTTTGTGCTGCTTCACTAAGATC 767

RESULT 7  
PCT-US95-07744A-1  
; Sequence 1, Application PC/TUS9507744A  
; GENERAL INFORMATION:  
; APPLICANT: Trustees of The University of Pennsylvania  
; TITLE OF INVENTION: Plant Genes for Sensitivity to Ethylene  
; TITLE OF INVENTION: and Pathogens  
; NUMBER OF SEQUENCES: 82  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz & Norris  
; STREET: One Liberty Place, 46th floor  
; CITY: Philadelphia  
; STATE: PA  
; COUNTRY: USA  
; ZIP: 19103  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US95/07744A  
; FILING DATE: 15-JUNE-1995

;; CLASSIFICATION:  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: 08/261,822  
;; FILING DATE: June 17, 1994  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Beardell, Lori Y.  
;; REGISTRATION NUMBER: 34,293  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (215) 568-3100  
;; TELEFAX: (215) 568-3439  
;; INFORMATION FOR SEQ ID NO: 1:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 6042 base pairs  
;; TYPE: nucleic acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: DNA (genomic)  
;; HYPOTHEITICAL: NO  
;; ANTI-SENSE: NO  
;; PCT-US95-07744A-1

Query Match 6.6%; Score 33.2; DB 5; Length 6042;  
Best Local Similarity 51.3%; Pred. No. 0.97; Indels 0; Gaps 0;  
Matches 77; Conservative 0; Mismatches 73; Indels 0; Gaps 0;

QY 200 TTCCCTGCACACAGACAGCAAGATGATGAGTCTAAGTGTCCGAGACT 259  
DB 618 TTCCCTGGAAGATCTGAATGCGTAGATCATACGGATCTTTGCTTTTGGT 677  
QY 260 TAACGAAATAGATTTTTCAGCTGCATTAAGATGAGTTGCAATGAGTCTTTTGC 319  
DB 678 CAGCGTTAGATTTCTTTAGCTTCAAGTTAGTTGAATTTGATTTTGTGAGCTTATC 737  
QY 320 TTCCCTGCTGCTGCTGCTACAGAGCGGTC 349  
DB 738 TTCTTTTGTGCTGCTTCACTAAGATC 767

RESULT 8  
US-08-819-288-1  
; Sequence 1, Application US/08819288  
; Patent No. 5955652  
; GENERAL INFORMATION:  
; APPLICANT: Becker, Joseph  
; TITLE OF INVENTION: PLANT GENES FOR SENSITIVITY TO ETHYLENE  
; TITLE OF INVENTION: AND PATHOGENS  
; NUMBER OF SEQUENCES: 19  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. 5955652xis  
; STREET: One Liberty Place - 46th floor  
; CITY: Philadelphia  
; STATE: PA  
; COUNTRY: USA  
; ZIP: 19103  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/819,288  
; FILING DATE:  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Beardell, Lori Y.  
; REGISTRATION NUMBER: 34,293  
; REFERENCE/DOCKET NUMBER: UPN-2949  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 215-568-3100  
; TELEFAX: 215-568-3439  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:

LENGTH: 6172 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
US-08-819-288-1

Query Match 6.6%; Score 33.2; DB 2; Length 6172;  
Best Local Similarity 51.3%; Pred. No. 0.98;  
Matches 77; Conservative 0; Mismatches 73; Indels 0; Gaps 0;

QY 200 TTCCCTGCACACGAGACAGAGATTAACAGATCAGTGGGTCTAAGTGTCCGAGACT 259  
DB 750 TTCCCTGGAAGATCTGAATGCGTAGATCATACGGGATCTTTGCTTTTGGT 809  
QY 260 TAACGAATAATGATTTTTCAGCTGCATTAAGATTGATTTGCAATTGAGCTTTTGC 319  
DB 810 CAGCGTTACGATTTCTTTTACCTTCAGTTTGAATTTGATTTTGTGAGCTTATC 869  
QY 320 TTCCCTGCTGCTGCTGCTACAGAGCGGCTC 349  
DB 870 TTCTTTTGTGCTGCTTCATCTAAGATC 899

## RESULT 9

US-09-400-348-1  
Sequence 1, Application US/09400348  
Patent No. 6355778  
GENERAL INFORMATION:  
APPLICANT: Ecker, Joseph  
APPLICANT: Alonso, Jose  
TITLE OF INVENTION: PLANT GENES FOR SENSITIVITY TO ETHYLENE  
NUMBER OF SEQUENCES: 19  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. 6355778ris  
STREET: One Liberty Place - 46th Floor  
CITY: Philadelphia  
STATE: PA  
COUNTRY: USA  
ZIP: 19103  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/400,348  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/819,288  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Beardsell, Lori Y.  
REGISTRATION NUMBER: 34,293  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 215-568-3100  
TELEFAX: 215-568-3439  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 6172 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
US-09-400-348-1

Query Match 6.6%; Score 33.2; DB 4; Length 6172;  
Best Local Similarity 51.3%; Pred. No. 0.98;  
Matches 77; Conservative 0; Mismatches 73; Indels 0; Gaps 0;

QY 200 TTCCCTGCACACGAGACAGAGATTAACAGATCAGTGGGTCTAAGTGTCCGAGACT 259  
DB 750 TTCCCTGGAAGATCTGAATGCGTAGATCATACGGGATCTTTGCTTTTGGT 809  
QY 260 TAACGAATAATGATTTTTCAGCTGCATTAAGATTGATTTGCAATTGAGCTTTTGC 319  
DB 810 CAGCGTTACGATTTCTTTTACCTTCAGTTTGAATTTGATTTTGTGAGCTTATC 869  
QY 320 TTCCCTGCTGCTGCTGCTACAGAGCGGCTC 349  
DB 870 TTCTTTTGTGCTGCTTCATCTAAGATC 899

## RESULT 10

US-09-149-476-107  
Sequence 107, Application US/09149476  
Patent No. 6420526  
GENERAL INFORMATION:  
APPLICANT: Rosen et al.  
TITLE OF INVENTION: 186 Human Secreted proteins  
FILE REFERENCE: P2002P1  
CURRENT FILING DATE: 1998-09-08  
EARLIER APPLICATION NUMBER: PCT/US98/04493  
EARLIER FILING DATE: 1998-03-06  
EARLIER APPLICATION NUMBER: 60/040,162  
EARLIER FILING DATE: 1997-03-07  
EARLIER APPLICATION NUMBER: 60/040,333  
EARLIER FILING DATE: 1997-03-07  
EARLIER APPLICATION NUMBER: 60/038,621  
EARLIER FILING DATE: 1997-03-07  
EARLIER APPLICATION NUMBER: 60/040,626  
EARLIER FILING DATE: 1997-03-07  
EARLIER APPLICATION NUMBER: 60/040,334  
EARLIER FILING DATE: 1997-03-07  
EARLIER APPLICATION NUMBER: 60/040,336  
EARLIER FILING DATE: 1997-03-07  
EARLIER APPLICATION NUMBER: 60/040,163  
EARLIER FILING DATE: 1997-03-07  
EARLIER APPLICATION NUMBER: 60/047,600  
EARLIER FILING DATE: 1997-05-23  
EARLIER APPLICATION NUMBER: 60/047,615  
EARLIER FILING DATE: 1997-05-23  
EARLIER APPLICATION NUMBER: 60/047,597  
EARLIER FILING DATE: 1997-05-23  
EARLIER APPLICATION NUMBER: 60/047,502  
EARLIER FILING DATE: 1997-05-23  
EARLIER APPLICATION NUMBER: 60/047,633  
EARLIER FILING DATE: 1997-05-23  
EARLIER APPLICATION NUMBER: 60/047,583  
EARLIER FILING DATE: 1997-05-23  
EARLIER APPLICATION NUMBER: 60/047,617  
EARLIER FILING DATE: 1997-05-23  
EARLIER APPLICATION NUMBER: 60/047,618  
EARLIER FILING DATE: 1997-05-23  
EARLIER APPLICATION NUMBER: 60/047,503  
EARLIER FILING DATE: 1997-05-23  
EARLIER APPLICATION NUMBER: 60/047,592  
EARLIER FILING DATE: 1997-05-23  
EARLIER APPLICATION NUMBER: 60/047,581  
EARLIER FILING DATE: 1997-05-23  
EARLIER APPLICATION NUMBER: 60/047,584  
EARLIER FILING DATE: 1997-05-23  
EARLIER APPLICATION NUMBER: 60/047,500  
EARLIER FILING DATE: 1997-05-23  
EARLIER APPLICATION NUMBER: 60/047,587  
EARLIER FILING DATE: 1997-05-23  
EARLIER APPLICATION NUMBER: 60/047,492  
EARLIER FILING DATE: 1997-05-23



Query Match 6.2%; Score 31.2; DB 4; Length 2327;  
Best Local Similarity 35.9%; Pred. No. 2.7;  
Matches 33; Conservative 28; Mismatches 31; Indels 0; Gaps 0;

QY 327 TGCTGCTCTACAGACGAGGCTCTGTGACACCTTTGGAAGGCTCTGTGCTGT 386  
DB 1576 WSCITSMGCTCTGCKRSYGRMKMRCTCTAGAAATGTRGAKCMYKSGCTKMMGG 1635  
QY 387 AGTGTGACAGCTGCTGTGATCCCGGCTT 418  
DB 1636 AAKSGGACGAGCCAGAGACCTGCATTGCTT 1667

## RESULT 11

US-09-579-181-11/c  
Sequence 11, Application US/09579181

Patent No. 6365372  
GENERAL INFORMATION:  
APPLICANT: Chiviva, John  
TITLE OF INVENTION: SNF2 Related CBP Activator Protein (SRCAP)  
FILE REFERENCE: 16153-4247  
CURRENT FILING DATE: US/09/579,181  
PRIOR APPLICATION NUMBER: 2000-05-25  
PRIOR FILING DATE: 1999-05-27  
NUMBER OF SEQ ID NOS: 17  
SOFTWARE: Patentin Ver. 2.0  
SEQ ID NO 11  
LENGTH: 8916  
TYPE: DNA  
ORGANISM: Human  
US-09-579-181-11

Query Match 6.2%; Score 31.2; DB 4; Length 8916;  
Best Local Similarity 50.7%; Pred. No. 5.8;  
Matches 75; Conservative 0; Mismatches 73; Indels 0; Gaps 0;

QY 13 TGCCGAGCTTGGGCTCCACATAAGCACTAGTCTATAGATGCTCTTAGAGCTGTGCC 72  
DB 6900 TGCCATGCTGGGACACACAGCTCTGCTCAGGCTTCAAGCCCAAGGAGATTAGTAC 6841  
QY 73 TGACACAGCCGCGGCGGAGAGGCTGCCACAGGAGAGAGATGAATTAATTCATT 132  
DB 6840 TGAGGCAAGATGGGACACAGAGGTGGACCAAGCAAGAGAGAGAGAGATTACAG 6781  
QY 133 TCAGGCAAGTTTAAAGAGCTTTGA 160  
DB 6780 ACAGGTTTGGGCTGGAGGCGGTATGA 6753

## RESULT 12

US-09-579-181-10/c  
Sequence 10, Application US/09579181

Patent No. 6365372  
GENERAL INFORMATION:  
APPLICANT: Chiviva, John  
APPLICANT: Yaciuk, Peter  
TITLE OF INVENTION: SNF2 Related CBP Activator Protein (SRCAP)  
FILE REFERENCE: 16153-4247  
CURRENT FILING DATE: US/09/579,181  
PRIOR APPLICATION NUMBER: 2000-05-25  
PRIOR FILING DATE: 1999-05-27  
NUMBER OF SEQ ID NOS: 17  
SOFTWARE: Patentin Ver. 2.0  
SEQ ID NO 10  
LENGTH: 9354  
TYPE: DNA  
ORGANISM: Human  
US-09-579-181-10

Query Match 6.2%; Score 31.2; DB 4; Length 9354;  
Best Local Similarity 50.7%; Pred. No. 6;  
Matches 75; Conservative 0; Mismatches 73; Indels 0; Gaps 0;

QY 13 TGCCGAGCTTGGGCTCCACATAAGCACTAGTCTATAGATGCTCTTAGAGCTGTGCC 72  
DB 7338 TGCCATGCTGGGACACACAGCTCTGCTCAGGCTTCAAGCCCAAGGAGATTAGTAC 7279  
QY 73 TGACACAGCCGCGGCGGAGAGGCTGCCACAGGAGAGAGATGAATTAATTCATT 132  
DB 7278 TGAGGCAAGATGGGACACAGAGGTGGACCAAGCAAGAGAGAGAGAGATTACAG 7219  
QY 133 TCAGGCAAGTTTAAAGAGCTTTGA 160  
DB 7218 ACAGGTTTGGGCTGGAGGCGGTATGA 7191

## RESULT 13

US-08-943-731-200/c  
Sequence 200, Application US/08943731

Patent No. 6265157  
GENERAL INFORMATION:  
APPLICANT: PROCKOP, DARWIN J.  
APPLICANT: SPOTILA, LORETTA D.  
APPLICANT: DELTAS, CONSTANTINOS D.  
APPLICANT: SEREDA, LARISA  
APPLICANT: LARSON, ANDREA W.  
APPLICANT: BACK, MICHAEL  
APPLICANT: COLIGE, ALAIN  
APPLICANT: EARLY, JAMES  
APPLICANT: KORKKO, JARMO  
APPLICANT: ALA-KORKKO, LEENA, et al.  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DETECTING  
TITLE OF INVENTION: ALTERED TYPE I OR TYPE IX COLLAGEN GENE SEQUENCES  
NUMBER OF SEQUENCES: 666  
CORRESPONDENCE ADDRESS:  
ADDRESSER: PANITCH SCHWARZE JACOBS & NADEL, P.C.  
STREET: ONE COMMERCE SQUARE, 2005 MARKET STREET, 22ND  
FLOOR, FLR.  
CITY: PHILADELPHIA  
STATE: PA  
COUNTRY: USA  
ZIP: 19103-7086  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/943,731  
FILING DATE: 03-OCT-1997  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/212,322  
FILING DATE: 14-MAR-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/803,628  
FILING DATE: 03-DEC-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: DOYLE LEARY Ph.D., KATHRYN  
REGISTRATION NUMBER: 36,317  
REFERENCE/DOCKET NUMBER: 9598-27  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 215-965-1284  
TELEFAX: 215-567-2991  
TELEX: 831-494  
INFORMATION FOR SEQ ID NO: 200:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 787 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)

US-08-943-731-200

Query Match 6.1%; Score 30.6; DB 3; Length 787;  
Best Local Similarity 52.8%; Pred. No. 2.3;  
Matches 66; Conservative 0; Mismatches 59; Indels 0; Gaps 0;

QY 377 TCTGTGCTGTAGTGTGAGCAGCTGCTGTACCCGGGTGCTTGGAGAAGTCACTCCG 436  
DB 340 TCTGGGCTGAGGGTGGGACCCAGAGAGAGAGGTGCCGACGGGTGCCGGGAGCC 281  
QY 437 TCGTAGTGAGCACTCTGGAACCTGTCTCAGAGAGCCACTTATCCCAAGTCTTT 496  
DB 280 TGGAGTGCCCACTCTGCTCCAGTGTGTACCCCACTTACTTCCGTCTCT 221  
QY 497 TGACA 501  
DB 220 GTGCA 216

RESULT 14

US-08-943-731-5/C  
Sequence 5, Application US/08943731  
Patent No. 6265157

GENERAL INFORMATION:  
APPLICANT: PROCKOP, DARWIN J.  
APPLICANT: SPOTILA, LORETTA D.  
APPLICANT: DELTAS, CONSTANTINOS D.  
APPLICANT: SEREDA, LARISSA W.  
APPLICANT: LARSON, ANDREA W.  
APPLICANT: PACK, MICHAEL  
APPLICANT: COLIGE, ALAIN  
APPLICANT: EARLY, JAMES  
APPLICANT: KORKKO, JARMO  
APPLICANT: ALA-KOKKO, LEENA, et al.  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DETECTING  
NUMBER OF SEQUENCES: 666  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: PANITCH SCHWARZE JACOBS & NADEL, P.C.  
STREET: ONE COMMERCE SQUARE, 2005 MARKET STREET, 22ND  
STREET: FLR.  
CITY: PHILADELPHIA  
STATE: PA  
COUNTRY: USA  
ZIP: 19103-7086  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/943,731  
FILING DATE: 03-OCT-1997  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/212,322  
FILING DATE: 14-MAR-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/803,628  
FILING DATE: 03-DEC-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: DOYLE LEARY Ph.D., KATHRYN  
REGISTRATION NUMBER: 36,317  
REFERENCE/DOCKET NUMBER: 9598-27  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 215-567-1284  
TELEFAX: 215-567-2991  
TELEX: 831-494  
INFORMATION FOR SEQ. ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 20084 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single

TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
US-08-943-731-5

Query Match 6.1%; Score 30.6; DB 3; Length 20084;  
Best Local Similarity 52.8%; Pred. No. 15;  
Matches 66; Conservative 0; Mismatches 59; Indels 0; Gaps 0;

QY 377 TCTGTGCTGTAGTGTGAGCAGCTGCTGTACCCGGGTGCTTGGAGAAGTCACTCCG 436  
DB 14308 TCTGGGCTGAGGGTGGGACCCAGAGAGAGAGGTGCCGACGGGTGCCGGGAGCC 14249  
QY 437 TCGTAGTGAGCACTCTGGAACCTGTCTCAGAGAGCCACTTATTCGCCAAGTCTTT 496  
DB 14248 TGGAGTGCCCACTCTGCTCCAGTGTGTACCCCACTTACTTCCGTCTCT 14189  
QY 497 TGACA 501  
DB 14188 GTGCA 14184

RESULT 15

US-09-734-675-3/C  
Sequence 3, Application US/09734675  
Patent No. 6365391

GENERAL INFORMATION:  
APPLICANT: WEBSTER, Marion et al  
TITLE OF INVENTION: ISOLATED HUMAN PROTEASE PROTEINS,  
TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN PROTEASE PROTEINS, AND  
FILE REFERENCE: CL000862  
CURRENT APPLICATION NUMBER: US/09/734,675  
CURRENT FILING DATE: 2000-12-13  
NUMBER OF SEQ ID NOS: 4  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 3  
LENGTH: 38844  
TYPE: DNA  
ORGANISM: Human  
US-09-734-675-3

Query Match 6.1%; Score 30.6; DB 4; Length 38844;  
Best Local Similarity 46.5%; Pred. No. 22;  
Matches 99; Conservative 0; Mismatches 114; Indels 0; Gaps 0;

QY 113 GCAGATGAACATAATTCAATTCAGAGCACTTTTAAGAAGCTTGAAGAACAGCGCG 172  
DB 31579 GTATAGATTAACAAACACATGGACATCTGAAAAAATCTAGAGACCTTAACCG 31520  
QY 173 CACCTTCTCTAATTCAGCAAGTATTCCTGACACACAGAGCAAGAGTAAAG 232  
DB 31519 ATCTGCTTATGTAGGAAAGTTATTCAGTTCCTTAATGTAGACTGAGATCA 31460  
QY 233 GATCAGTGGGTCTAAGTGTGAGACTTAACCAAAATGATATTAGCTGCATTAAGT 292  
DB 31459 AAGCTTAATCTTATTAATTTCTGTATGTAAATAATGTATAGATCTGCAATAGAT 31400  
QY 293 TGAGTTGCAATTGTGAGTCTTTTGTCTCC 325  
DB 31399 TTAGTCATTCTCAAGAAAGCCCTTTGCAATTTTC 31367

Search completed: January 13, 2004, 23:23:58  
Job time : 34.5125 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: January 13, 2004, 22:49:52 ; Search time 182.383 Seconds  
(without alignments)  
9682.402 Million cell updates/sec

Title: US-09-434-382-28\_COPY\_26164\_26664

Perfect score: 501  
Sequence: 1 ggtatgagctgtgcgcgag.....ctgcgaactctttgaca 501

Scoring table: IDENTITY NUC  
Gapop 10.0 , Gapext 1.0

Searched: 2324096 seqs, 1762381658 residues

Total number of hits satisfying chosen parameters: 4648192

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database :

- Published Applications\_NA:\*
- 1: /cgn2\_6/ptodata/1/pubpna/US07\_PUBCOMB.seq:\*
  - 2: /cgn2\_6/ptodata/1/pubpna/PCT\_NEW\_PUB.seq:\*
  - 3: /cgn2\_6/ptodata/1/pubpna/US06\_NEW\_PUB.seq:\*
  - 4: /cgn2\_6/ptodata/1/pubpna/US06\_PUBCOMB.seq:\*
  - 5: /cgn2\_6/ptodata/1/pubpna/US07\_NEW\_PUB.seq:\*
  - 6: /cgn2\_6/ptodata/1/pubpna/PCTUS\_PUBCOMB.seq:\*
  - 7: /cgn2\_6/ptodata/1/pubpna/US08\_NEW\_PUB.seq:\*
  - 8: /cgn2\_6/ptodata/1/pubpna/US08\_PUBCOMB.seq:\*
  - 9: /cgn2\_6/ptodata/1/pubpna/US09A\_PUBCOMB.seq:\*
  - 10: /cgn2\_6/ptodata/1/pubpna/US09B\_PUBCOMB.seq:\*
  - 11: /cgn2\_6/ptodata/1/pubpna/US09C\_PUBCOMB.seq:\*
  - 12: /cgn2\_6/ptodata/1/pubpna/US09\_NEW\_PUB.seq:\*
  - 13: /cgn2\_6/ptodata/1/pubpna/US09\_NEW\_PUB.seq:\*
  - 14: /cgn2\_6/ptodata/1/pubpna/US10A\_PUBCOMB.seq:\*
  - 15: /cgn2\_6/ptodata/1/pubpna/US10B\_PUBCOMB.seq:\*
  - 16: /cgn2\_6/ptodata/1/pubpna/US10\_NEW\_PUB.seq:\*
  - 17: /cgn2\_6/ptodata/1/pubpna/US60\_NEW\_PUB.seq:\*
  - 18: /cgn2\_6/ptodata/1/pubpna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	501	100.0	26664	11	US-09-988-626-28
2	501	100.0	26664	11	US-09-988-687-28
3	501	100.0	26664	11	US-09-988-686-28
4	303	60.5	655	11	US-09-988-626-27
5	303	60.5	655	11	US-09-988-687-27
6	303	60.5	655	11	US-09-988-686-27
7	303	60.5	2958	11	US-09-988-626-3
8	303	60.5	2958	11	US-09-988-687-3
9	303	60.5	2958	11	US-09-988-686-3
10	299.4	59.8	2907	12	US-10-108-260A-282
11	296.6	59.2	2908	11	US-09-988-626-223
12	296.6	59.2	2908	11	US-09-988-687-223
13	296.6	59.2	2908	11	US-09-988-686-223
14	254.6	50.8	2892	11	US-09-988-626-225
15	254.6	50.8	2892	11	US-09-988-687-225

16	254.6	50.8	2892	11	US-09-988-686-225	Sequence 225, App
c 17	95.4	19.0	97	13	US-10-308-891-60	Sequence 60, Appl
18	95.4	19.0	97	13	US-10-308-891-93	Sequence 93, Appl
c 19	93.8	18.7	97	13	US-10-308-891-59	Sequence 59, Appl
20	93.8	18.7	97	13	US-10-308-891-80	Sequence 80, Appl
21	60	12.0	60	13	US-09-908-975-5139	Sequence 5139, Ap
22	37	7.4	734	13	US-10-027-632-11995	Sequence 11995, A
23	37	7.4	734	13	US-10-027-632-11996	Sequence 11996, A
24	37	7.4	734	14	US-10-027-632-11995	Sequence 11995, A
25	37	7.4	734	14	US-10-027-632-11996	Sequence 11996, A
26	34.6	6.9	652	13	US-10-027-632-225490	Sequence 225490, A
27	34.6	6.9	652	14	US-10-027-632-225490	Sequence 225490, A
28	34.2	6.8	677	13	US-10-027-632-43101	Sequence 43101, A
29	34.2	6.8	677	13	US-10-027-632-43102	Sequence 43102, A
30	34.2	6.8	677	14	US-10-027-632-43101	Sequence 43101, A
31	34.2	6.8	677	14	US-10-027-632-43102	Sequence 43102, A
c 32	33.6	6.7	480	9	US-09-864-761-15427	Sequence 15427, A
33	33.4	6.7	2260	13	US-10-027-632-101506	Sequence 101506, A
34	33.4	6.7	2260	14	US-10-027-632-101506	Sequence 101506, A
35	33.4	6.7	5959	13	US-10-311-455-1254	Sequence 1254, Ap
36	33.2	6.6	6022	13	US-10-385-521-11	Sequence 11, Appl
37	32.2	6.4	513509	11	US-09-754-853A-4	Sequence 4, Appli
38	32	6.4	536	11	US-10-029-386-9263	Sequence 9263, Ap
c 39	32	6.4	1089	13	US-09-974-300-4320	Sequence 2320, Ap
40	32	6.4	1129	13	US-10-027-632-200972	Sequence 200972, A
41	32	6.4	1129	14	US-10-027-632-200972	Sequence 200972, A
42	32	6.4	1251	13	US-10-029-386-22964	Sequence 22964, A
43	32	6.4	3779	10	US-09-880-107-2145	Sequence 2145, Ap
44	31.8	6.3	1242	15	US-10-032-585-6066	Sequence 6066, Ap
45	31.6	6.3	461	15	US-10-225-567A-478	Sequence 478, App

ALIGNMENTS

RESULT 1  
US-09-988-626-28  
; Sequence 28, Application US/09988626  
; Publication No. US20030044959A1  
; GENERAL INFORMATION:  
; APPLICANT: Tavitgian, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
; FILE REFERENCE: 2318-258  
; CURRENT APPLICATION NUMBER: US/09/988,626  
; PRIOR FILING DATE: 2001-11-20  
; PRIOR APPLICATION NUMBER: 09/564,805  
; PRIOR FILING DATE: 2000-05-05  
; PRIOR APPLICATION NUMBER: US 60/107,468  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR APPLICATION NUMBER: 09/434,382  
; PRIOR FILING DATE: 1999-11-05  
; NUMBER OF SEQ ID NOS: 240  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 28  
; LENGTH: 26664  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (910)..(13104)  
; OTHER INFORMATION: exon 1: 910-1154; exon 2: 1736-1786; exon 3:  
; OTHER INFORMATION: 1925-1995; exon 4: 3025-3089; exon 5: 4361-4418;  
; OTHER INFORMATION: exon 6: 5582-5550; exon 7: 7075-7194; exon 8:  
; OTHER INFORMATION: 8186-8244; exon 9: 12878-12936; exon 10:  
; NAME/KEY: misc\_feature  
; LOCATION: (13756)..(22917)  
; OTHER INFORMATION: exon 11: 13756-13868; exon 12: 15283-15378; exon

```

OTHER INFORMATION: 13: 16278-16416, exon 14:16498-16583, exon 15:
OTHER INFORMATION: 18583-18701, exon 16: 20349-20445, exon 17:
OTHER INFORMATION: 22172-22310, exon 18: 22879-22917
NAME/KEY: misc feature
LOCATION: (23045)..(26452)
OTHER INFORMATION: exon 19: 23045-23154, exon 20: 23795-23995, exon
OTHER INFORMATION: 21: 23973-24093, exon 22: 24354-24453, exon 23:
OTHER INFORMATION: 25026-25170, exon 24: 25812-26036, polyadenylation
OTHER INFORMATION: signal: 26447-26452
NAME/KEY: variation
LOCATION: (826)..(23879)
OTHER INFORMATION: s at positions 826 and 23180 is G or C, y at
OTHER INFORMATION: positions 1914, 5568, 7165, 16331, 1857 and 20486
OTHER INFORMATION: is C or T, n at position 13128 is t or tgcac, r at
OTHER INFORMATION: positions 22211 and 23879 is A or G.
US-09-988-626-28

```

Query Match	100.0%	Score 501;	DB 11;	Length 26664;
Best Local Similarity	100.0%	Pred. No. 1.2e-159;		
Matches 501; Conservative	0;	Mismatches	0;	Gaps 0

QY	1	GGATGAGAGCTGTCGAGGCTTGGGCTCCACATTAAGACATAGTGTATTAAGATGCTCTT	60
Db	26164	GGATGAGAGCTGTCGAGGCTTGGGCTCCACATTAAGACATAGTGTATTAAGATGCTCTT	26223
QY	61	AGGACTGGTGCCTGGCACAGCCGCGGGCCAGAGGCTGCCACCGAAGCAAGCAGATGA	120
Db	26224	AGGACTGGTGCCTGGCACAGCCGCGGGCCAGAGGCTGCCACCGAAGCAAGCAGATGA	26283
QY	121	ACATAATTCATTTTCAAGSAGTTTTTAAABAAGCTTTGGAAAACAGACGGCGGACCTTTC	180
Db	26284	ACATAATTCATTTTCAAGSAGTTTTTAAABAAGCTTTGGAAAACAGACGGCGGACCTTTC	26343
QY	181	CTCTAATCCAGCAAAAGTATTCCTCGACACAGAGACAGACAGATTAACAGATCAGTG	240
Db	26344	CTCTAATCCAGCAAAAGTATTCCTCGACACAGAGACAGACAGATTAACAGATCAGTG	26403
QY	241	GGTCTAAGTGTCCGAGCTTAAAGAAATATGATTTTCAAGTGGAAATTAAGATTGAATTGG	300
Db	26404	GGTCTAAGTGTCCGAGCTTAAAGAAATATGATTTTCAAGTGGAAATTAAGATTGAATTGG	26463
QY	301	CAATTGGAGTCTTTTGTCTTCCCTCGTGCAGTGTCTTCAAGACAGGAGCTGTCTGACCC	360
Db	26464	CAATTGGAGTCTTTTGTCTTCCCTCGTGCAGTGTCTTCAAGACAGGAGCTGTCTGACCC	26523
QY	361	ACCTTGGAGAAAGGCTCTCTGTGCTGTAGTGTGGCAGTGGCTTGTATCCCGGGTGGCTTGG	420
Db	26524	ACCTTGGAGAAAGGCTCTCTGTGCTGTAGTGTGGCAGTGGCTTGTATCCCGGGTGGCTTGG	26583
QY	421	AAGAAATGACACTCCCGTCTGATGAGACACTCTGGAACCTGTCTCTAGAGAGCAACCTTT	480
Db	26584	AAGAAATGACACTCCCGTCTGATGAGACACTCTGGAACCTGTCTCTAGAGAGCAACCTTT	26643
QY	481	ATTGCGCCAAAGTCTTTTGGACA 501	
Db	26644	ATTGCGCCAAAGTCTTTTGGACA 26664	

RESULT 2  
US-09-988-687-28  
Sequence 28, Application US/09988687  
Publication No. US20030045704A1  
GENERAL INFORMATION:  
APPLICANT: Tavtigian, Sean V.  
APPLICANT: Teng, David H.F.  
APPLICANT: Simard, Jacques  
APPLICANT: Myriad Genetics, Inc.  
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes  
FILE REFERENCE: 2318-258  
CURRENT APPLICATION NUMBER: US/09/988,687  
CURRENT FILING DATE: 2001-11-20

```

1 PRIOR APPLICATION NUMBER: 09/564,805
2 PRIOR FILING DATE: 2000-05-05
3 PRIOR APPLICATION NUMBER: US 60/107,466
4 PRIOR FILING DATE: 1998-11-06
5 PRIOR APPLICATION NUMBER: 09/434,382
6 PRIOR FILING DATE: 1999-11-05
7 NUMBER OF SEQ ID NOS: 240
8 SOFTWARE: PatentIn Ver. 2.0
9 SEQ ID NO 28

```

```

? TYPE: DNA
? ORGANISM: Homo sapiens
? FEATURE:
? NAME/KEY: misc_feature
? LOCATION: (910)..(13104)
? OTHER INFORMATION: exon 1: 910-1154; exon 2: 1736-1786; exon 3:
? OTHER INFORMATION: 1925-1995; exon 4: 3025-3089; exon 5: 4361-4418;
? OTHER INFORMATION: exon 6: 5582-5650; exon 7: 7075-7194; exon 8:
? OTHER INFORMATION: 8186-8244; exon 9: 12878-12936; exon 10:
? OTHER INFORMATION: 13032-13104;

```

```

1 LOCATION: (13756)..(22917)
2 OTHER INFORMATION: exon 11: 13756-13868; exon 12: 15983-15378; exon
3 OTHER INFORMATION: 13: 16278-16416; exon 14: 16498-16583; exon 15:
4 OTHER INFORMATION: 16583-19701; exon 16: 20349-20445; exon 17:
5 OTHER INFORMATION: 22172-22310; exon 18: 22879-22917
6 NAME/KEY: misc_feature
7 LOCATION: (23045)..(26452)
8 OTHER INFORMATION: exon 19: 23045-23154; exon 20: 23795-23895; exon
9 OTHER INFORMATION: 21: 23979-24093; exon 22: 24354-24433; exon 23:
10 OTHER INFORMATION: 25026-25170; exon 24: 25813-26036; polyadenylation
11 OTHER INFORMATION: signal: 26447-26452
12 NAME/KEY: variation
13 LOCATION: (826)..(23879)
14 OTHER INFORMATION: s at positions 826 and 23180 is G or C; y at
15 OTHER INFORMATION: positions 1514, 5568, 7165, 16431, 1857 and 20486
16 OTHER INFORMATION: is C or T; n at position 13128 is C or G; t at
17 OTHER INFORMATION: positions 22211 and 23879 is A or G.
18
19 US-09-388-687-28

```

Query Match	100.0%	Score 501;	DB 11;	Length 26664;
Best Local Similarity	100.0%;	Pred. No. 1.2e-159;		
Matches 501; Conservative	0;	Mismatches 0;	Indels 0;	Gaps 0;

OY	I	GGATGAGAGCTGTGGCCGAGGCTTGGGCTCCACATAAGACATAGTATTAAAGATGCTCTT	60
Db	26164	GGTATGGAGCTGTGGCCGAGGCTTGGGCTCCACATAAGACATAGTATTAAAGATGCTCTT	26223
OY	61	AGGACTGTGTCCCTGGGACAGCCGCGGGGCCAGAGAGCTGGCACACGGAAACAAAGCAGATGA	120
Db	26224	AGGACTGTGTCCCTGGGACAGCCGCGGGGCCAGAGAGCTGGCACACGGAAACAAAGCAGATGA	26283
OY	121	ACTAATTTCAATTTCAAGGCGAGTTTAAAAAGAACTCTTGGMAACAGACGGCGGACCTTTC	180
Db	26284	ACTAATTTCAATTTCAAGGCGAGTTTAAAAAGAACTCTTGGMAACAGACGGCGGACCTTTC	26343
OY	181	CTCTAATCCAGCAAAAGTATGCTCCCTGCACACAGAGACAAAGCAGAGTAAACAGGATCAGTG	240
Db	26344	CTCTAATCCAGCAAAAGTATGCTCCCTGCACACAGAGACAAAGCAGAGTAAACAGGATCAGTG	26403
OY	241	GGTCTAAGTGTCCGAGACTTAAAGAAAATAGTATTTCAAGCTGCATTAAGATTGAATTTG	300
Db	26404	GGTCTAAGTGTCCGAGACTTAAAGAAAATAGTATTTCAAGCTGCATTAAGATTGAATTTG	26463
OY	301	CAATTGTGAGTTCTTTTGTGCTTCTCCTGCTGCTTCAAGACAGGGGTCTGCTGTGCACC	360
Db	26464	CAATTGTGAGTTCTTTTGTGCTTCTCCTGCTGCTTCAAGACAGGGGTCTGCTGTGCACC	26523
OY	361	ACCTTGGAGAAGGCTCTCTGTGTGTAGTGTGGCAGCTGCTTGGTAAACCCGGGTGGCTTTG	420
Db	26524	ACCTTGGAGAAGGCTCTCTGTGTGTAGTGTGGCAGCTGCTTGGTAAACCCGGGTGGCTTTG	26583
OY	421	AAGAAAGTCAGCTCCCGTGTGTAGTAGACACTCTTGAAACCTGTCTCTCAGAGAGCACCTTT	480



Db 26584 AAGAGTGAAGCTCCGCTGTAGTGAACCTCTGGAACCTGCTCAGAGACCACTT 26643  
QY 481 AATGCGCAAGCTTTTGACA 501  
Db 26644 ATGCGCAAGTCTTTTGACA 26664

RESULT 3  
US-09-988-686-28

; Sequence 28, Application US/09988686  
; Publication No. US20030120052A1  
; GENERAL INFORMATION:  
; APPLICANT: Tavignan, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility  
; FILE REFERENCE: 2318-258  
; CURRENT APPLICATION NUMBER: US/09/988,686  
; CURRENT FILING DATE: 2001-11-20  
; PRIOR APPLICATION NUMBER: 09/564,805  
; PRIOR FILING DATE: 2000-05-05  
; PRIOR APPLICATION NUMBER: US 60/107,468  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR APPLICATION NUMBER: 09/434,382  
; PRIOR FILING DATE: 1999-11-05  
; NUMBER OF SEQ ID NOS: 240  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 28  
; LENGTH: 26664  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc.feature  
; LOCATION: (910)..(13104)  
; OTHER INFORMATION: exon 1: 910-1154; exon 2: 1736-1786; exon 3:  
; OTHER INFORMATION: exon 6: 5582-5650; exon 7: 7075-7194; exon 8:  
; OTHER INFORMATION: exon 8: 8186-8244; exon 9: 12878-12936; exon 10:  
; NAME/KEY: misc.feature  
; LOCATION: (13756)..(22917)  
; OTHER INFORMATION: exon 11: 13756-13868; exon 12: 15283-15378; exon  
; OTHER INFORMATION: exon 13: 16278-16416; exon 14: 16498-16583; exon 15:  
; OTHER INFORMATION: exon 16: 20349-20445; exon 17:  
; OTHER INFORMATION: exon 18: 22879-22917  
; NAME/KEY: misc.feature  
; LOCATION: (23045)..(26452)  
; OTHER INFORMATION: exon 19: 23045-23154; exon 20: 23795-23895; exon  
; OTHER INFORMATION: exon 21: 23973-24093; exon 22: 24354-24432; exon 23:  
; OTHER INFORMATION: exon 24: 25812-26036; polyadenylation  
; OTHER INFORMATION: signal: 26447-26452  
; NAME/KEY: variation  
; LOCATION: (826)..(23879)  
; OTHER INFORMATION: s at positions 826 and 23180 is G or C; y at  
; OTHER INFORMATION: positions 1914, 5568, 7165, 16431, 1857 and 20486  
; OTHER INFORMATION: is C or T; n at position 13128 is t or tgat; r at  
; OTHER INFORMATION: positions 22211 and 23879 is A or G.  
US-09-988-686-28

Query Match 100.0%; Score 501; DB 11; Length 26664;  
Best Local Similarity 100.0%; Pred. No. 1.2e-159;  
Matches 501; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTATGAGCTGTGCGGAGGCTTGGCTCCCATATGACATGACTATAGATGCTCTT 60  
Db 26164 GGTATGAGCTGTGCGGAGGCTTGGCTCCCATATGACATGACTATAGATGCTCTT 26223  
QY 61 AGGATGCTGTGCTGCGACAGCCGCGGCGGAGGAGGCTGCGACAGGAAAGCAGATGA 120

Db 26224 AGGATGCTGTGCTGCGACAGCCGCGGCGGAGGCTGCGACAGGAAAGCAGATGA 26283  
QY 121 ACTAATTTCAATTTCAAGGACATTTTAAAGAGTGTGGAACAGACGGCGGACCTTTC 180  
Db 26284 ACTAATTTCAATTTCAAGGACATTTTAAAGAGTGTGGAACAGACGGCGGACCTTTC 26343  
QY 181 CTCTAATCCAGCAAAAGTATTTCCCTGACACACAGAGACAGAGATTAACAGATCAGTG 240  
Db 26344 CTCTAATCCAGCAAAAGTATTTCCCTGACACACAGAGACAGAGATTAACAGATCAGTG 26403  
QY 241 GGTCTAAGTGTCCGAGACTTAAACGAAATATGATTTTCAGCTGCATTAAGATTGATTG 300  
Db 26404 GGTCTAAGTGTCCGAGACTTAAACGAAATATGATTTTCAGCTGCATTAAGATTGATTG 26463  
QY 301 CAATTGTAGTCTTTTCTTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 360  
Db 26464 CAATTGTAGTCTTTTCTTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 26553  
QY 361 ACCTTGAGAAAGCTCTGTGCTGTAGTGTGAGCACTGTGGAACCTGTCTCAGAGACCACTT 420  
Db 26524 ACCTTGAGAAAGCTCTGTGCTGTAGTGTGAGCACTGTGGAACCTGTCTCAGAGACCACTT 26583  
QY 421 AAGAGTGAAGCTCCGCTGTGTAGTGAACCTGTGGAACCTGTCTCAGAGACCACTT 480  
Db 26584 AAGAGTGAAGCTCCGCTGTGTAGTGAACCTGTGGAACCTGTCTCAGAGACCACTT 26643  
QY 481 AATGCGCAAGCTTTTGACA 501  
Db 26644 ATGCGCAAGTCTTTTGACA 26664

RESULT 4  
US-09-988-626-27

; Sequence 27, Application US/09988626  
; Publication No. US20030044959A1  
; GENERAL INFORMATION:  
; APPLICANT: Tavignan, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility  
; FILE REFERENCE: 2318-258  
; CURRENT APPLICATION NUMBER: US/09/988,626  
; CURRENT FILING DATE: 2001-11-20  
; PRIOR APPLICATION NUMBER: 09/564,805  
; PRIOR FILING DATE: 2000-05-05  
; PRIOR APPLICATION NUMBER: US 60/107,468  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR APPLICATION NUMBER: 09/434,382  
; PRIOR FILING DATE: 1999-11-05  
; NUMBER OF SEQ ID NOS: 240  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 27  
; LENGTH: 655  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc.feature  
; LOCATION: (1)..(228)  
; OTHER INFORMATION: exon 24  
; NAME/KEY: polyA\_signal  
; LOCATION: (636)..(641)  
US-09-988-626-27

Query Match 60.5%; Score 303; DB 11; Length 655;  
Best Local Similarity 100.0%; Pred. No. 8.7e-93;  
Matches 303; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTATGAGCTGTGCGGAGGCTTGGCTCCCATATGACATGACTATAGATGCTCTT 60  
Db 353 GGTATGAGCTGTGCGGAGGCTTGGCTCCCATATGACATGACTATAGATGCTCTT 412

QY 61 AGGACTGGTCTGGGACAGCCGCGGCGGAGGCTGCGACACGGAAGCAGATGA 120  
DB 413 AGGACTGGTCTGGGACAGCCGCGGCGGAGGCTGCGACACGGAAGCAGATGA 472  
QY 121 ACTAATTTTCATTTCAGAGGAGTTTAAAGAGCTTTGAAAAGAGCGGCGCCTTTG 180  
DB 473 ACTAATTTTCATTTCAGAGGAGTTTAAAGAGCTTTGAAAAGAGCGGCGCCTTTG 532  
QY 181 CTCTAATCCAGCAAGAGTATTTCCCTGCGACACGAGACAGAGAGTAAACAGATCAGTG 240  
DB 533 CTCTAATCCAGCAAGAGTATTTCCCTGCGACACGAGACAGAGAGTAAACAGATCAGTG 592  
QY 241 GGTCTAAGTGTCCGAGACTTAACGAAATATGATTTACCTGCAATTAAGATTGAGTTG 300  
DB 593 GGTCTAAGTGTCCGAGACTTAACGAAATATGATTTACCTGCAATTAAGATTGAGTTG 652  
QY 301 CAA 303  
DB 653 CAA 655

## RESULT 5

US-09-988-687-27  
Sequence 27, Application US/09988687  
Publication No. US20030045704A1  
GENERAL INFORMATION:  
APPLICANT: Tavtigian, Sean V.  
APPLICANT: Teng, David H.F.  
APPLICANT: Simard, Jacques  
APPLICANT: Rommens, Johanna M.  
APPLICANT: Myriad Genetics, Inc.  
TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility  
FILE REFERENCE: 2318-258  
CURRENT APPLICATION NUMBER: US/09/988,687  
CURRENT FILING DATE: 2001-11-20  
PRIOR APPLICATION NUMBER: 09/564,805  
PRIOR FILING DATE: 2000-05-05  
PRIOR APPLICATION NUMBER: US 60/107,468  
PRIOR FILING DATE: 1998-11-06  
PRIOR APPLICATION NUMBER: 09/434,382  
PRIOR FILING DATE: 1999-11-05  
NUMBER OF SEQ ID NOS: 240  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 27  
LENGTH: 655  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (1)..(228)  
OTHER INFORMATION: exon 24  
NAME/KEY: polyA\_signal  
LOCATION: (636)..(641)  
US-09-988-687-27

Query Match 60.5%; Score 303; DB 11; Length 655;  
Best Local Similarity 100.0%; Pred. No. 8.7e-93;  
Matches 303; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTATGAGCTGTGCGAGGCTTGGGCTCCCATTAAGCACTAGTCTATAGATGCTCTT 60  
DB 353 GGTATGAGCTGTGCGAGGCTTGGGCTCCCATTAAGCACTAGTCTATAGATGCTCTT 412  
QY 61 AGGACTGGTCTGGGACAGCCGCGGCGGAGGCTGCGACACGGAAGCAGATGA 120  
DB 413 AGGACTGGTCTGGGACAGCCGCGGCGGAGGCTGCGACACGGAAGCAGATGA 472  
QY 121 ACTAATTTTCATTTCAGAGGAGTTTAAAGAGCTTTGAAAAGAGCGGCGCCTTTG 180  
DB 473 ACTAATTTTCATTTCAGAGGAGTTTAAAGAGCTTTGAAAAGAGCGGCGCCTTTG 532

QY 181 CTCTAATCCAGCAAGAGTATTTCCCTGCGACACCAGACAGACAGATTAACGATCAGTG 240  
DB 533 CTCTAATCCAGCAAGAGTATTTCCCTGCGACACCAGACAGACAGATTAACGATCAGTG 592  
QY 241 GGTCTAAGTGTCCGAGACTTAACGAAATATGATTTACCTGCAATTAAGATTGAGTTG 300  
DB 593 GGTCTAAGTGTCCGAGACTTAACGAAATATGATTTACCTGCAATTAAGATTGAGTTG 652  
QY 301 CAA 303  
DB 653 CAA 655

## RESULT 6

US-09-988-686-27  
Sequence 27, Application US/09988686  
Publication No. US20030120052A1  
GENERAL INFORMATION:  
APPLICANT: Tavtigian, Sean V.  
APPLICANT: Teng, David H.F.  
APPLICANT: Simard, Jacques  
APPLICANT: Rommens, Johanna M.  
APPLICANT: Myriad Genetics, Inc.  
TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility  
FILE REFERENCE: 2318-258  
CURRENT APPLICATION NUMBER: US/09/988,686  
CURRENT FILING DATE: 2001-11-20  
PRIOR APPLICATION NUMBER: 09/564,805  
PRIOR FILING DATE: 2000-05-05  
PRIOR APPLICATION NUMBER: US 60/107,468  
PRIOR FILING DATE: 1998-11-06  
PRIOR APPLICATION NUMBER: 09/434,382  
PRIOR FILING DATE: 1999-11-05  
NUMBER OF SEQ ID NOS: 240  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 27  
LENGTH: 655  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (1)..(228)  
OTHER INFORMATION: exon 24  
NAME/KEY: polyA\_signal  
LOCATION: (636)..(641)  
US-09-988-686-27

Query Match 60.5%; Score 303; DB 11; Length 655;  
Best Local Similarity 100.0%; Pred. No. 8.7e-93;  
Matches 303; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTATGAGCTGTGCGAGGCTTGGGCTCCCATTAAGCACTAGTCTATAGATGCTCTT 60  
DB 353 GGTATGAGCTGTGCGAGGCTTGGGCTCCCATTAAGCACTAGTCTATAGATGCTCTT 412  
QY 61 AGGACTGGTCTGGGACAGCCGCGGCGGAGGCTGCGACACGGAAGCAGATGA 120  
DB 413 AGGACTGGTCTGGGACAGCCGCGGCGGAGGCTGCGACACGGAAGCAGATGA 472  
QY 121 ACTAATTTTCATTTCAGAGGAGTTTAAAGAGCTTTGAAAAGAGCGGCGCCTTTG 180  
DB 473 ACTAATTTTCATTTCAGAGGAGTTTAAAGAGCTTTGAAAAGAGCGGCGCCTTTG 532  
QY 181 CTCTAATCCAGCAAGAGTATTTCCCTGCGACACGAGACAGAGAGTAAACAGATCAGTG 240  
DB 533 CTCTAATCCAGCAAGAGTATTTCCCTGCGACACGAGACAGAGAGTAAACAGATCAGTG 592  
QY 241 GGTCTAAGTGTCCGAGACTTAACGAAATATGATTTACCTGCAATTAAGATTGAGTTG 300  
DB 593 GGTCTAAGTGTCCGAGACTTAACGAAATATGATTTACCTGCAATTAAGATTGAGTTG 652  
QY 301 CAA 303

Db 653 CAA 655

## RESULT 7

US-09-988-626-3  
Sequence 3, Application US/09988626  
Publication No. US20030044959A1  
GENERAL INFORMATION:  
APPLICANT: Tavtigian, Sean V.  
APPLICANT: Simard, Jacques  
APPLICANT: Rommens, Johanna M.  
APPLICANT: Myriad Genetics, Inc.  
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
FILE REFERENCE: 2318-258  
CURRENT APPLICATION NUMBER: US/09/988,626  
CURRENT FILING DATE: 2001-11-20  
PRIOR APPLICATION NUMBER: 09/564,805  
PRIOR FILING DATE: 2000-05-05  
PRIOR APPLICATION NUMBER: US 60/107,468  
PRIOR FILING DATE: 1998-11-06  
PRIOR APPLICATION NUMBER: 09/434,382  
PRIOR FILING DATE: 1999-11-05  
NUMBER OF SEQ ID NOS: 240  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 3  
LENGTH: 2958  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: misc feature  
LOCATION: (51)-(2531)  
OTHER INFORMATION: coding sequence as in SEQ ID NO:1  
US-09-988-626-3

Query Match 60.5%; Score 303; DB 11; Length 2958;  
Best Local Similarity 100.0%; Pred. No. 2,1e-92;

Matches 303; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTATGAGCTGTGCGGAGGCTTGGGCTCCCATTAAGCACTAGTCTATAGATGCTCTT 60  
DB 2656 GGTATGAGCTGTGCGGAGGCTTGGGCTCCCATTAAGCACTAGTCTATAGATGCTCTT 2715  
QY 61 AGGACTGCTGCTGGCAGACGCGCGGCGGCGGAGGCTCCACACGGAAGCAAGCAGATGA 120  
DB 2716 AGGACTGCTGCTGGCAGACGCGCGGCGGCGGAGGCTCCACACGGAAGCAAGCAGATGA 2775  
QY 121 ACTAATTCATTTCAAGGAGGCTTTTAAAGAAAGCTTGGAAACAGACGCGGCGGACCTTTC 180  
DB 2776 ACTAATTCATTTCAAGGAGGCTTTTAAAGAAAGCTTGGAAACAGACGCGGCGGACCTTTC 2835  
QY 181 CTCTAATCCAGCAAAAGTATTCCTGCAACACGAGAGCAAGCAGAGTAACAGATCAGTG 240  
DB 2836 CTCTAATCCAGCAAAAGTATTCCTGCAACACGAGAGCAAGCAGAGTAACAGATCAGTG 2895  
QY 241 GGTCTAAGTGTCCGAGACTTAACGAAATAGTATTTCAAGCTGCAATTAAGATGATTG 300  
DB 2896 GGTCTAAGTGTCCGAGACTTAACGAAATAGTATTTCAAGCTGCAATTAAGATGATTG 2955  
QY 301 CAA 303  
DB 2956 CAA 2958

## RESULT 8

US-09-988-687-3  
Sequence 3, Application US/09988687  
Publication No. US20030045704A1  
GENERAL INFORMATION:  
APPLICANT: Tavtigian, Sean V.  
APPLICANT: Teng, David H.F.

APPLICANT: Simard, Jacques  
APPLICANT: Rommens, Johanna M.  
APPLICANT: Myriad Genetics, Inc.  
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
FILE REFERENCE: 2318-258  
CURRENT APPLICATION NUMBER: US/09/988,687  
CURRENT FILING DATE: 2001-11-20  
PRIOR APPLICATION NUMBER: 09/564,805  
PRIOR FILING DATE: 2000-05-05  
PRIOR APPLICATION NUMBER: US 60/107,468  
PRIOR FILING DATE: 1998-11-06  
PRIOR APPLICATION NUMBER: 09/434,382  
PRIOR FILING DATE: 1999-11-05  
NUMBER OF SEQ ID NOS: 240  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 3  
LENGTH: 2958  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: misc feature  
LOCATION: (51)-(2531)  
OTHER INFORMATION: coding sequence as in SEQ ID NO:1  
US-09-988-687-3

Query Match 60.5%; Score 303; DB 11; Length 2958;  
Best Local Similarity 100.0%; Pred. No. 2,1e-92;

Matches 303; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTATGAGCTGTGCGGAGGCTTGGGCTCCCATTAAGCACTAGTCTATAGATGCTCTT 60  
DB 2656 GGTATGAGCTGTGCGGAGGCTTGGGCTCCCATTAAGCACTAGTCTATAGATGCTCTT 2715  
QY 61 AGGACTGCTGCTGGCAGACGCGCGGCGGCGGAGGCTCCACACGGAAGCAAGCAGATGA 120  
DB 2716 AGGACTGCTGCTGGCAGACGCGCGGCGGCGGAGGCTCCACACGGAAGCAAGCAGATGA 2775  
QY 121 ACTAATTCATTTCAAGGAGGCTTTTAAAGAAAGCTTGGAAACAGACGCGGCGGACCTTTC 180  
DB 2776 ACTAATTCATTTCAAGGAGGCTTTTAAAGAAAGCTTGGAAACAGACGCGGCGGACCTTTC 2835  
QY 181 CTCTAATCCAGCAAAAGTATTCCTGCAACACGAGAGCAAGCAGAGTAACAGATCAGTG 240  
DB 2836 CTCTAATCCAGCAAAAGTATTCCTGCAACACGAGAGCAAGCAGAGTAACAGATCAGTG 2895  
QY 241 GGTCTAAGTGTCCGAGACTTAACGAAATAGTATTTCAAGCTGCAATTAAGATGATTG 300  
DB 2896 GGTCTAAGTGTCCGAGACTTAACGAAATAGTATTTCAAGCTGCAATTAAGATGATTG 2955  
QY 301 CAA 303  
DB 2956 CAA 2958

## RESULT 9

US-09-988-686-3  
Sequence 3, Application US/09988686  
Publication No. US20030120052A1  
GENERAL INFORMATION:  
APPLICANT: Tavtigian, Sean V.  
APPLICANT: Teng, David H.F.  
APPLICANT: Simard, Jacques  
APPLICANT: Rommens, Johanna M.  
APPLICANT: Myriad Genetics, Inc.  
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
FILE REFERENCE: 2318-258  
CURRENT APPLICATION NUMBER: US/09/988,686  
CURRENT FILING DATE: 2001-11-20  
PRIOR APPLICATION NUMBER: 09/564,805  
PRIOR FILING DATE: 2000-05-05  
PRIOR APPLICATION NUMBER: US 60/107,468

PRIOR FILING DATE: 1998-11-06  
PRIOR APPLICATION NUMBER: 09/434,382  
PRIOR FILING DATE: 1998-11-05  
NUMBER OF SEQ ID NOS: 240  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 3  
LENGTH: 2958  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (51)..(2531)  
OTHER INFORMATION: coding sequence as in SEQ ID NO:1  
US-09-988-686-3

Query Match 60.5%; Score 303; DB 11; Length 2958;  
Best Local Similarity 100.0%; Pred. No. 2.1e-92;  
Matches 303; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTATGAGCTGTGCGAGGCTTGGGCTCCCATTAAGACCTAGTCTATAGATGCTCTT 60  
DB 2656 GGTATGAGCTGTGCGAGGCTTGGGCTCCCATTAAGACCTAGTCTATAGATGCTCTT 2715  
QY 61 AGACTGTGCTGCGACAGCCGCGGCGCAGAGGCTGCGACACGGAAGCAAGATGA 120  
DB 2716 AGACTGTGCTGCGACAGCCGCGGCGCAGAGGCTGCGACACGGAAGCAAGATGA 2775  
QY 121 ACTAATTTTCAATTCAGAGGAGTTTAAAGAGTCTTGAAACAGACGGCGCACCTTTC 180  
DB 2776 ACTAATTTTCAATTCAGAGGAGTTTAAAGAGTCTTGAAACAGACGGCGCACCTTTC 2835  
QY 181 CTCTATCCAGCAAGTATGCTCCCTGCGACACGAGAGAGAGTAAAGATCAGTGC 240  
DB 2836 CTCTATCCAGCAAGTATGCTCCCTGCGACACGAGAGAGAGTAAAGATCAGTGC 2895  
QY 241 GGTCTAAGTGTCCGAGACTTAAAGAAATAGTATTTCACTGCAATTAAGATGAGTTG 300  
DB 2896 GGTCTAAGTGTCCGAGACTTAAAGAAATAGTATTTCACTGCAATTAAGATGAGTTG 2955  
QY 301 CAA 303  
DB 2956 CAA 2958

RESULT 10  
US-10-108-260A-282  
Sequence 282, Application US/10108260A  
Publication No. US20040005560A1  
GENERAL INFORMATION:  
APPLICANT: HELIX RESEARCH INSTITUTE  
TITLE OF INVENTION: NO. US20040005560A1el full length cdna  
FILE REFERENCE: H1-A0106  
CURRENT APPLICATION NUMBER: US/10/108,260A  
CURRENT FILING DATE: 2002-03-27  
NUMBER OF SEQ ID NOS: 5458  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 282  
LENGTH: 2907  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-10-108-260A-282

Query Match 59.8%; Score 299.4; DB 12; Length 2907;  
Best Local Similarity 99.7%; Pred. No. 3.5e-91;  
Matches 300; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GGTATGAGCTGTGCGAGGCTTGGGCTCCCATTAAGACCTAGTCTATAGATGCTCTT 60  
DB 2607 GGTATGAGCTGTGCGAGGCTTGGGCTCCCATTAAGACCTAGTCTATAGATGCTCTT 2666  
QY 61 AGACTGTGCTGCGACAGCCGCGGCGCAGAGGCTGCGACACGGAAGCAAGATGA 120  
DB 2667 AGACTGTGCTGCGACAGCCGCGGCGCAGAGGCTGCGACACGGAAGCAAGATGA 2726

QY 121 ACTAATTTTCAATTCAGAGGAGTTTAAAGAGTCTTGAAACAGACGGCGCACCTTTC 180  
DB 2727 ACTAATTTTCAATTCAGAGGAGTTTAAAGAGTCTTGAAACAGACGGCGCACCTTTC 2786  
QY 181 CTCTATCCAGCAAGTATGCTCCCTGCGACACGAGAGAGAGTAAAGATCAGTGC 240  
DB 2787 CTCTATCCAGCAAGTATGCTCCCTGCGACACGAGAGAGAGTAAAGATCAGTGC 2846  
QY 241 GGTCTAAGTGTCCGAGACTTAAAGAAATAGTATTTCACTGCAATTAAGATGAGTTG 300  
DB 2847 GGTCTAAGTGTCCGAGACTTAAAGAAATAGTATTTCACTGCAATTAAGATGAGTTG 2906  
QY 301 C 301  
DB 2907 C 2907

RESULT 11  
US-09-988-626-223  
Sequence 223, Application US/09988626  
Publication No. US20030044959A1  
GENERAL INFORMATION:  
APPLICANT: Tavligian, Sean V.  
APPLICANT: Teng, David H.F.  
APPLICANT: Simard, Jacques  
APPLICANT: Rommens, Johanna M.  
APPLICANT: Myriad Genetics, Inc.  
TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility  
FILE REFERENCE: 2318-258  
CURRENT FILING DATE: 2001-11-20  
PRIOR FILING DATE: 09/564,805  
PRIOR APPLICATION NUMBER: US 60/107,468  
PRIOR FILING DATE: 1998-11-06  
PRIOR FILING DATE: 1999-11-05  
NUMBER OF SEQ ID NOS: 240  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 223  
LENGTH: 2908  
TYPE: DNA  
ORGANISM: Pan troglodytes  
FEATURE:  
NAME/KEY: CDS  
LOCATION: (1)..(2478)  
US-09-988-626-223

Query Match 59.2%; Score 296.6; DB 11; Length 2908;  
Best Local Similarity 98.7%; Pred. No. 3.2e-90;  
Matches 299; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 GGTATGAGCTGTGCGAGGCTTGGGCTCCCATTAAGACCTAGTCTATAGATGCTCTT 60  
DB 2606 GGTATGAGCTGTGCGAGGCTTGGGCTCCCATTAAGACCTAGTCTATAGATGCTCTT 2665  
QY 61 AGACTGTGCTGCGACAGCCGCGGCGCAGAGGCTGCGACACGGAAGCAAGATGA 120  
DB 2666 AGACTGTGCTGCGACAGCCGCGGCGCAGAGGCTGCGACACGGAAGCAAGATGA 2725  
QY 121 ACTAATTTTCAATTCAGAGGAGTTTAAAGAGTCTTGAAACAGACGGCGCACCTTTC 180  
DB 2726 ACTAATTTTCAATTCAGAGGAGTTTAAAGAGTCTTGAAACAGACGGCGCACCTTTC 2785  
QY 181 CTCTATCCAGCAAGTATGCTCCCTGCGACACGAGAGAGAGTAAAGATCAGTGC 240  
DB 2786 CTCTATCCAGCAAGTATGCTCCCTGCGACACGAGAGAGAGTAAAGATCAGTGC 2845  
QY 241 GGTCTAAGTGTCCGAGACTTAAAGAAATAGTATTTCACTGCAATTAAGATGAGTTG 300  
DB 2846 GGTCTAAGTGTCCGAGACTTAAAGAAATAGTATTTCACTGCAATTAAGATGAGTTG 2905

OY 301 CAA 303  
Db 2906 CAA 2908

## RESULT 12

US-09-988-687-223  
; Sequence 223, Application US/09988687  
; Publication No. US20030045704A1

## GENERAL INFORMATION:

APPLICANT: Tavetigian, Sean V.

APPLICANT: Teng, David H.F.

APPLICANT: Simard, Jacques

APPLICANT: Rommens, Johanna M.

APPLICANT: Myriad Genetics, Inc.

TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes

TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility

FILE REFERENCE: 2318-258

CURRENT APPLICATION NUMBER: US/09/988,687

PRIOR FILING DATE: 2001-11-20

PRIOR FILING DATE: 2000-05-05

PRIOR APPLICATION NUMBER: US 60/107,468

PRIOR FILING DATE: 1998-11-06

PRIOR APPLICATION NUMBER: 09/434,382

PRIOR FILING DATE: 1999-11-05

NUMBER OF SEQ ID NOS: 240

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 223

LENGTH: 2908

TYPE: DNA

ORGANISM: Pan troglodytes

FEATURE:

NAME/KEY: CDS

LOCATION: (1)..(2478)

US-09-988-687-223

Query Match

Best Local Similarity 98.7%; Pred. No. 3.2e-90;

Matches 299; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

OY 1 GGTATGAGCTGTGCGAGGCTTGGCTCCACATTAAGCACTAGTCTATAGATGCTCTT 60

Db 2606 GGTATGAGCTGTGCGAGGCTTGGCTCCACATTAAGCACTAGTCTATAGATGCTCTT 2665

OY 61 AGACTGTGCTGCGACAGCCGCGCGGCAAGAGGCTGCGACACGGAAGCAAGCATGA 120

Db 2666 AGACTGTGCTGCGACAGCCGCGCGGCAAGAGGCTGCGACACGGAAGCAAGCATGA 2725

OY 121 ACTATTTTCATTTCAAGGCAAGTTTAAAGAGTCTTGAAACAGACGGCGGCACTTTT 180

Db 2726 ACTATTTTCATTTCAAGGCAAGTTTAAAGAGTCTTGAAACAGACGGCGGCACTTTT 2785

OY 181 CTCTAATCCAGCAAGATGATTCCTGACACAGAGAGACAGAGATTAAGATCAGTG 240

Db 2786 CTCTAATCCAGCAAGATGATTCCTGACACAGAGAGACAGAGATTAAGATCAGTG 2845

OY 241 GGTCTAAGTGTCCGAGACTTAACGAAATAGTATTTCACTGCAATTAAGATTGAGTTG 300

Db 2846 GGTCTAAGTGTCCGAGACTTAACGAAATAGTATTTCACTGCAATTAAGATTGAGTTG 2905

OY 301 CAA 303

Db 2906 CAA 2908

RESULT 13

US-09-988-686-223

; Sequence 223, Application US/09988686

; Publication No. US20030120052A1

; GENERAL INFORMATION:

; APPLICANT: Tavetigian, Sean V.

APPLICANT: Teng, David H.F.  
APPLICANT: Simard, Jacques  
APPLICANT: Rommens, Johanna M.  
APPLICANT: Myriad Genetics, Inc.  
TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility  
TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes  
FILE REFERENCE: 2318-258  
CURRENT APPLICATION NUMBER: US/09/988,686  
PRIOR FILING DATE: 2001-11-20  
PRIOR APPLICATION NUMBER: 09/564,805  
PRIOR FILING DATE: 2000-05-05  
PRIOR APPLICATION NUMBER: US 60/107,468  
PRIOR FILING DATE: 1998-11-06  
PRIOR APPLICATION NUMBER: 09/434,382  
PRIOR FILING DATE: 1999-11-05  
NUMBER OF SEQ ID NOS: 240  
SOFTWARE: Patentin Ver. 2.0  
SEQ ID NO 223  
LENGTH: 2908  
TYPE: DNA  
ORGANISM: Pan troglodytes  
FEATURE:  
NAME/KEY: CDS  
LOCATION: (1)..(2478)  
US-09-988-686-223

Query Match

Best Local Similarity 98.7%; Pred. No. 3.2e-90;

Matches 299; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

OY 1 GGTATGAGCTGTGCGAGGCTTGGCTCCACATTAAGCACTAGTCTATAGATGCTCTT 60

Db 2606 GGTATGAGCTGTGCGAGGCTTGGCTCCACATTAAGCACTAGTCTATAGATGCTCTT 2665

OY 61 AGACTGTGCTGCGACAGCCGCGCGGCAAGAGGCTGCGACACGGAAGCAAGCATGA 120

Db 2666 AGACTGTGCTGCGACAGCCGCGCGGCAAGAGGCTGCGACACGGAAGCAAGCATGA 2725

OY 121 ACTATTTTCATTTCAAGGCAAGTTTAAAGAGTCTTGAAACAGACGGCGGCACTTTT 180

Db 2726 ACTATTTTCATTTCAAGGCAAGTTTAAAGAGTCTTGAAACAGACGGCGGCACTTTT 2785

OY 181 CTCTAATCCAGCAAGATGATTCCTGACACAGAGAGACAGAGATTAAGATCAGTG 240

Db 2786 CTCTAATCCAGCAAGATGATTCCTGACACAGAGAGACAGAGATTAAGATCAGTG 2845

OY 241 GGTCTAAGTGTCCGAGACTTAACGAAATAGTATTTCACTGCAATTAAGATTGAGTTG 300

Db 2846 GGTCTAAGTGTCCGAGACTTAACGAAATAGTATTTCACTGCAATTAAGATTGAGTTG 2905

OY 301 CAA 303

Db 2906 CAA 2908

RESULT 14

US-09-988-626-225

; Sequence 225, Application US/09988626

; Publication No. US20030044959A1

; GENERAL INFORMATION:

; APPLICANT: Tavetigian, Sean V.

; APPLICANT: Teng, David H.F.

; APPLICANT: Simard, Jacques

; APPLICANT: Rommens, Johanna M.

; APPLICANT: Myriad Genetics, Inc.

; TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility

; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes

; FILE REFERENCE: 2318-258

; CURRENT APPLICATION NUMBER: US/09/988,626

; PRIOR FILING DATE: 2001-11-20

; PRIOR APPLICATION NUMBER: 09/564,805

; PRIOR FILING DATE: 2000-05-05

; PRIOR APPLICATION NUMBER: US 60/107,468



GenCore version 5.1.6  
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: January 13, 2004, 16:08:41 ; Search time 48.7835 Seconds  
(without alignments)  
7247.291 Million cell updates/sec

Title: US-09-434-382-28\_COPY\_21800\_22600

Perfect score: 801  
Sequence: 1 agtgcctgcctgctgatttc.....agcgaagcttgcgcgat 801

Scoring table: IDENTITY NUC  
Gapop 10.0 , Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA.\*  
1: /cgn2\_6/ptodata/2/ina/5A\_COMB.seq:\*  
2: /cgn2\_6/ptodata/2/ina/5B\_COMB.seq:\*  
3: /cgn2\_6/ptodata/2/ina/6A\_COMB.seq:\*  
4: /cgn2\_6/ptodata/2/ina/6B\_COMB.seq:\*  
5: /cgn2\_6/ptodata/2/ina/PTUS\_COMB.seq:\*  
6: /cgn2\_6/ptodata/2/ina/backfile1.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	800.6	100.0	26664	US-09-564-805-28	Sequence 28, Appl
2	145.8	18.2	2481	US-09-564-805-1	Sequence 1, Appl
3	145.8	18.2	2892	US-09-564-805-225	Sequence 225, App
4	145.8	18.2	2908	US-09-564-805-223	Sequence 223, App
5	145.8	18.2	2958	US-09-564-805-3	Sequence 3, Appl
6	138.6	17.3	139	US-09-564-805-20	Sequence 20, Appl
7	102.2	12.8	2470	US-09-564-805-221	Sequence 221, App
8	39.8	5.0	7218	US-08-232-463-14	Sequence 14, Appl
9	39.4	4.9	840	US-09-376-728-1	Sequence 1, Appl
10	36.8	4.6	810	US-09-134-001C-1951	Sequence 1951, Ap
11	36.6	4.6	19124	US-08-487-826B-13	Sequence 13, Appl
12	36.6	4.6	4403765	US-09-103-840A-2	Sequence 2, Appl
13	36.6	4.6	4411529	US-09-103-840A-1	Sequence 1, Appl
14	36.6	4.5	1182	US-09-461-697-261	Sequence 261, App
15	36.6	4.5	2373	US-09-220-132-189	Sequence 189, App
16	36.6	4.5	2664	US-09-149-476-255	Sequence 255, App
17	36.6	4.5	50000	US-09-146-053-4	Sequence 4, Appl
18	35.8	4.5	17056	US-09-245-041-3	Sequence 3, Appl
19	35.2	4.4	843	US-09-328-352-1259	Sequence 1259, Ap
20	35.2	4.4	3253	US-09-759-359A-1	Sequence 1, Appl
21	35.2	4.4	289	US-09-007-005-17	Sequence 17, Appl
22	35.2	4.4	289	US-09-244-796-17	Sequence 17, Appl
23	34.2	4.3	3036	US-09-016-434-1155	Sequence 1155, Ap
24	34.2	4.2	3785	US-09-889-718-1	Sequence 1, Appl
25	34.2	4.2	5852	US-09-853-768-10	Sequence 10, Appl
26	34.2	4.2	7037	US-09-853-768-3	Sequence 3, Appl
27	33.6	4.2	2885	US-09-016-434-1143	Sequence 1143, Ap

28	32.8	4.1	1029	US-09-328-352-1249	Sequence 1249, Ap
C 29	32.8	4.1	6999	US-08-276-594A-1	Sequence 1, Appl
C 30	32.8	4.1	7056	US-08-121-202-1	Sequence 1, Appl
31	32.8	4.1	7881	US-08-751-189-1	Sequence 1, Appl
32	32.8	4.1	7881	US-09-060-836-1	Sequence 1, Appl
33	32.8	4.1	7881	US-09-184-445-1	Sequence 1, Appl
C 34	32.8	4.1	8241	5171844-1	Patent No. 5171844
C 35	32.8	4.1	8967	US-08-366-851A-1	Sequence 1, Appl
C 36	32.8	4.1	9009	US-07-864-004B-3	Sequence 3, Appl
C 37	32.8	4.1	9009	US-08-251-937A-3	Sequence 3, Appl
C 38	32.8	4.1	9009	US-08-212-133A-1	Sequence 1, Appl
C 39	32.8	4.1	9009	US-08-474-503-1	Sequence 1, Appl
C 40	32.8	4.1	9009	US-08-670-707A-1	Sequence 1, Appl
C 41	32.8	4.1	9009	US-09-037-601-1	Sequence 1, Appl
C 42	32.8	4.1	9009	US-09-315-179-1	Sequence 1, Appl
C 43	32.8	4.1	9009	US-09-523-656-1	Sequence 1, Appl
C 44	32.8	4.1	9009	PCT-US93-03775-3	Sequence 3, Appl
C 45	32.8	4.1	9009	PCT-US94-13200-1	Sequence 1, Appl

ALIGNMENTS

RESULT 1  
US-09-564-805-28  
Sequence 28, Application US/09564805  
Patent No. 6333403  
GENERAL INFORMATION:  
APPLICANT: Tavtigian, Sean V.  
APPLICANT: Teng, David H.F.  
APPLICANT: Simard, Jacques  
APPLICANT: Rommens, Johanna M.  
APPLICANT: Myriad Genetics, Inc.  
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
FILE REFERENCE: 2318-258  
CURRENT APPLICATION NUMBER: US/09/564, 805  
CURRENT FILING DATE: 2000-05-05  
PRIOR APPLICATION NUMBER: US 60/107,468  
PRIOR FILING DATE: 1998-11-06  
PRIOR APPLICATION NUMBER: 09/434,382  
PRIOR FILING DATE: 1999-11-05  
NUMBER OF SEQ ID NOS: 240  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 28  
LENGTH: 26664  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: misc feature  
LOCATION: (910)..(13104)  
OTHER INFORMATION: exon 1: 910-1154; exon 2: 1736-1786; exon 3:  
OTHER INFORMATION: 1925-1995; exon 4: 3025-3089; exon 5: 4361-4418;  
OTHER INFORMATION: exon 6: 5582-5650; exon 7: 7075-7194; exon 8:  
OTHER INFORMATION: 8186-8244; exon 9: 12878-12936; exon 10:  
NAME/KEY: misc feature  
LOCATION: (13756)..(22917)  
OTHER INFORMATION: exon 11: 13756-13868; exon 12: 15283-15378; exon  
OTHER INFORMATION: 13: 16278-16416; exon 14: 16498-16583; exon 15:  
OTHER INFORMATION: 18583-18701; exon 16: 20349-20445; exon 17:  
OTHER INFORMATION: 22172-22310; exon 18: 22879-22917  
NAME/KEY: misc feature  
LOCATION: (23045)..(26452)  
OTHER INFORMATION: exon 19: 23045-23154; exon 20: 23795-23895; exon  
OTHER INFORMATION: 21: 23973-24093; exon 22: 24354-24432; exon 23:  
OTHER INFORMATION: 25026-25170; exon 24: 25812-26036; polyadenylation  
OTHER INFORMATION: signal: 26447-26452  
NAME/KEY: variation  
LOCATION: (826)..(23879)  
OTHER INFORMATION: s at positions 826 and 23180 is G or C; y at  
OTHER INFORMATION: positions 1914, 3368, 7165, 16431, 1857 and 20486  
OTHER INFORMATION: is C or T; n at position 13128 is t or tgat; r at  
OTHER INFORMATION: positions 22211 and 23879 is A or G.







Db	Qy	Db
61	GCACGAGATCACCACACG 511	61
121	GCACGAGATCACCACACG 139	120

## RESULT 7

```

US-09-564-805-221
: Sequence 221. Application US/09564805
: Patent No. 6333403
: GENERAL INFORMATION:
: APPLICANT: Tavligian, Sean V.
: APPLICANT: Teng, David H.F.
: APPLICANT: Simard, Jacques
: APPLICANT: Rommens, Johanna M.
: TITLE OF INVENTION: Myriad Genetics, Inc.
: TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
: FILE REFERENCE: 2318-258
: CURRENT APPLICATION NUMBER: US/09/564,805
: CURRENT FILING DATE: 2000-05-05
: PRIOR APPLICATION NUMBER: US 60/107,468
: PRIOR FILING DATE: 1998-11-06
: PRIOR APPLICATION NUMBER: 09/434,382
: PRIOR FILING DATE: 1999-11-05
: NUMBER OF SEQ ID NOS: 240
: SOFTWARE: Patentin Ver. 2.0
: SEQ ID NO 221
: LENGTH: 2470
: TYPE: DNA
: ORGANISM: Mus musculus
: FEATURE:
: NAME/KEY: CDS
: LOCATION: (1)..(2466)
US-09-564-805-221

```

Query Match	12.8%	Score 102.2;	DB 4;	Length 2470;
Best Local Similarity	74.9%;	Pred. No. 7.6e-21;		
Matches 128; Conservative	0;	Mismatches 43;	Indels 0;	Gaps 0;

Qy	342	GCAGGACTCTCTTCCCTTCTCTTCTTCTGACAGCCCGACAGCTCTGTGATACGGACCTGTG	401
Db	1451	GAAATGTAAGTTCACACTCCGTCAACTTAACCCCTGAAATGTAAGTGTCTCTGGAATTGTG	1510
Qy	402	GTGATGGGACACTTTGGGGAGCTGTGCGGTCAATTACGAGACCAAGTGGACAGGCTCTGTG	461
Db	1511	GAGAAAGGCACTTTGGGGCAGTTGTGCGCTCANTTAAGGACAGCAAAATAGACCGAATCTTAT	1570
Qy	462	GCACCCTGAGCTGTGTTTGTGTGCCACCTGCACGACGATCACACACCGG	512
Db	1571	GCAGGCTACCGCTGTGTTGTGTGTCCACTTCGACGCGGACCAACACACCGG	1621

## RESULT & DISCUSSION

US-08-232-463-14  
Sequence 14, Application US/08232463  
Patent No 5670367  
GENERAL INFORMATION:  
APPLICANT: DORNER, F.  
APPLICANT: SCHEIFLINGER, F.  
APPLICANT: FALKNER, F. G.  
TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS  
NUMBER OF SEQUENCES: 52  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Foley & Lardner  
STREET: 1800 Diagonal Road, Suite 500  
CITY: Alexandria  
STATE: VA  
COUNTRY: USA  
ZIP: 22313-0299  
COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/232,463  
 FILING DATE:  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US/07/935,313  
 FILING DATE:  
 APPLICATION NUMBER: EP 91 114 300.6  
 FILING DATE: 26-AUG-1991  
 ATTORNEY/AGENT INFORMATION:  
 NAME: BENT, Stephen A.  
 REGISTRATION NUMBER: 29,768  
 REFERENCE/DOCKET NUMBER: 30472/114 IMMU  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (703)836-9300  
 TELEFAX: (703)683-4109  
 TELEX: 899149  
 INFORMATION FOR SEQ ID NO: 14:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 7218 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 IMMEDIATE SOURCE:  
 CLONE: PTZgpc-F16  
 US-08-232-463-14

Query Match 5.0%; Score 39.8; DB 1; Length 7218;  
 Best Local Similarity 1.3%; Pred. No. 0.12;  
 Matches 5; Conservative 214; Mismatches 156; Indels 0; Gaps 0;

Qy	350	TCCTTCCTCTCTCTCTCTGTGAGCCCGACACGCTCTGCTACGACGCTGTGCTGAGAGGC	409
Dd	1066	TT	1125
Qy	410	ACRTTTGGGAGCTGTGCCGTCATTACGAGACCAGGTGACAGGATCTGTGGGACCCCTG	469
Dd	1126	TT	1185
Qy	470	GCTGCTGTGTGTGTGCCACCTGACGACGACATACCAACAGCGTAGTGTGGCTGGAC	529
Dd	1186	TT	1245
Qy	530	CACAAAGCTGAGCGCTGAGAGGACGACATGCACTGATGTGCGCTTTGCGTCGCTT	589
Dd	1246	TT	1305
Qy	590	TTCTCTCGCTTCACAACTTGCCAGACGCTTTGTACTCATCTGTGCTAGAAATGCT	649
Dd	1306	TT	1365
Qy	650	TTTTGCAAACTCAACATAGTCTCTTGCGGCACAAAGATGTCTTCTTCTGTTAGT	709
Dd	1366	TT	1425
Qy	710	TCCTTTCCTGACAGA	724
Dd	1426	TTTTTTTTTTGTACA	1440

## RESULT 9

US-09-376-128-1/C  
Sequence 1, Application US/09376728  
Patent No. 6372961  
GENERAL INFORMATION:  
APPLICANT: Tarczyński, Mitchell C.  
APPLICANT: Shen, Bo  
TITLE OF INVENTION: Hemoglobin Genes and Their Use  
FILE REFERENCE: 0873

;; CURRENT APPLICATION NUMBER: US/09/376,728  
;; CURRENT FILING DATE: 1999-08-17  
;; EARLIER APPLICATION NUMBER: US 60/097,242  
;; EARLIER FILING DATE: 1998-08-20  
;; NUMBER OF SEQ ID NOS: 4  
;; SOFTWARE: FastSeq for Windows Version 3.0  
;; SEQ ID NO 1  
;; LENGTH: 840  
;; TYPE: DNA  
;; ORGANISM: Zea mays  
;; FEATURE:  
;; NAME/KEY: CDS  
;; LOCATION: (51) ... (623)  
US-09-376-728-1

Query Match 4.9%; Score 39.4; DB 4; Length 840;  
Best Local Similarity 52.8%; Pred. No. 0.046; Indels 0; Gaps 0;  
Matches 85; Conservative 0; Mismatches 76; Indels 0; Gaps 0;

QY 307 CATCAGCCTTGACATCAGCAGCTTCTCTAGTGCATGACTCTTCTCTCTCTT 366  
DB 615 CAGCAGCGCGCGCGCGCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 556  
QY 367 CTGACGCCCCGACAGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 426  
DB 555 CCGCGCGCGCTGCGCGCGCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 496  
QY 427 CCGCATTAAGAGAGACGAGCGAGGAGGCTCTGGGCAACC 467  
DB 495 CCGTATGACGCGCGCGCGCTGCTGAGGCTCTCTCTCTCTCTCTCTCTCTCT 455

## RESULT 10

US-09-134-001C-1951/C  
;; Sequence 1951, Application US/09134001C  
;; Patent No. 6380370  
;; GENERAL INFORMATION:  
;; APPLICANT: Lynn Doucette-Stamm et al  
;; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS  
;; TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS  
;; FILE REFERENCE: GTC-007  
;; CURRENT APPLICATION NUMBER: US/09/134,001C  
;; CURRENT FILING DATE: 1998-08-13  
;; PRIOR APPLICATION NUMBER: US 60/064,964  
;; PRIOR FILING DATE: 1997-11-08  
;; PRIOR APPLICATION NUMBER: US 60/055,779  
;; PRIOR FILING DATE: 1997-08-14  
;; NUMBER OF SEQ ID NOS: 5674  
;; SEQ ID NO 1951  
;; LENGTH: 810  
;; TYPE: DNA  
;; ORGANISM: Staphylococcus epidermidis  
US-09-134-001C-1951

Query Match 4.6%; Score 36.8; DB 4; Length 810;  
Best Local Similarity 69.4%; Pred. No. 0.28; Indels 0; Gaps 0;  
Matches 50; Conservative 0; Mismatches 22; Indels 0; Gaps 0;

QY 47 CTGCATGCTGATGATCTTGTAGACTTAATGCTTTAAGCTCTCTAATACTTTT 106  
DB 139 CAGCAGTTTCAGATTCATGATTAATCTTAATAACATTCATTAATAATGTTTAA 80  
QY 107 TTTTCTTTGAT 118  
DB 79 TTGTTCTTTAT 68

## RESULT 11

US-08-487-826B-13/C  
;; Sequence 13, Application US/08487826B  
;; Patent No. 593827  
;; GENERAL INFORMATION:  
;; APPLICANT: Sim, Kim L.

;; APPLICANT: Chitnis, Chetan  
;; APPLICANT: Miller, Louis H.  
;; APPLICANT: Peterson, David S.  
;; APPLICANT: Su, Xin-zhaun  
;; APPLICANT: Wellems, Thomas E.  
;; TITLE OF INVENTION: BINDING DOMAINS FROM PLASMIDIUM VIYAX  
;; TITLE OF INVENTION: AND PLASMIDIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS  
;; NUMBER OF SEQUENCES: 45  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: Knobbe Martens Olson & Bear  
;; STREET: 620 Newport Center Drive 16th Floor  
;; CITY: Newport Beach  
;; STATE: California  
;; COUNTRY: US  
;; ZIP: 92660

;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: Patent Release #1.0, Version #1.25  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/08/487,826B  
;; FILING DATE: 10-SEP-1993

;; CLASSIFICATION: 435  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Israelien, Ned  
;; REGISTRATION NUMBER: 29,655  
;; REFERENCE/DOCKET NUMBER: NIH121.001CP1  
;; TELEPHONE: (619) 235-8550  
;; TELEFAX: (619) 235-0176  
;; INFORMATION FOR SEQ ID NO: 13:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 19124 base pairs  
;; TYPE: nucleic acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: cDNA  
;; HYPOTHETICAL: NO  
;; ANTI-SENSE: NO

US-08-487-826B-13

Query Match 4.6%; Score 36.6; DB 2; Length 19124;  
Best Local Similarity 53.1%; Pred. No. 2; Indels 0; Gaps 0;  
Matches 78; Conservative 0; Mismatches 69; Indels 0; Gaps 0;

QY 93 ATAACTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTT 152  
DB 15941 ATTAATTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTT 15882  
QY 153 TCAGGCTTCATGATCTTCTTCTTTAAGAGATGACACATGTAATACCTTTA 212  
DB 15881 AAATTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTT 15822  
QY 213 TGGTTAATTAATGCTTTTATTA 239  
DB 15821 TTATTTAATAAATTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTT 15822

## RESULT 12

US-09-103-840A-2  
;; Sequence 2, Application US/09103840A  
;; Patent No. 6294328  
;; GENERAL INFORMATION:  
;; APPLICANT: FLEISCHMAN, Robert D.  
;; APPLICANT: WHITE, Owen R.  
;; APPLICANT: FRASER, Claire M.  
;; APPLICANT: VENTER, John C.  
;; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM  
;; TITLE OF INVENTION: TUBERCULOSIS  
;; FILE REFERENCE: 24366-2007.00  
;; CURRENT APPLICATION NUMBER: US/09/103,840A  
;; CURRENT FILING DATE: 1998-06-24

NUMBER OF SEQ ID NOS: 2  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 2 4403765  
LENGTH: 4403765  
TYPE: DNA  
ORGANISM: Mycobacterium tuberculosis  
FEATURE:  
OTHER INFORMATION: CDC 1551  
OTHER INFORMATION: "n" bases at various positions throughout the sequence  
US-09-103-840A-2

Query Match 4.6%; Score 36.6; DB 3; Length 4403765;  
Best Local Similarity 50.9%; Pred. No. 36;  
Matches 84; Conservative 1; Mismatches 80; Indels 0; Gaps 0;

QY 359 CTTCTCTTGTGACGCCCCGACAGTCTGTGCTACTGAGTGTGAGGGCACTTTGGG 418  
DB 435315 CTTGCTTGTGCGGCTCAATGCGCTCAGCAACTGACGAGCGCGCGCTCGGC 435374  
QY 419 CAGCTGTGCGCTCATTACGAGACCAAGTGAGCAGGGTCTTGCGCACCTGCTGTG 478  
DB 435375 CGCTGTGCTCCACACGCGTGTGCGGGGTCCGCGGACCGCAGGTCTTGCAACCGGG 435434  
QY 479 TTGTGTCCACCTGACGACGATCACAACGAGTGTGAGTGGG 523  
DB 435435 CATGTGCGCAGCACTGCGCAACCCCGCACCGGACTGTGCGCG 435479

RESULT 13  
US-09-103-840A-1  
Sequence 1, Application US/09103840A  
Patent No. 6234328  
GENERAL INFORMATION:  
APPLICANT: FLEISCHMAN, Robert D.  
APPLICANT: WHITE, Owen R.  
APPLICANT: FRASER, Claire M.  
APPLICANT: VENTER, John C.  
TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM  
FILE REFERENCE: 24366-20007.00  
CURRENT FILING DATE: 1998-06-24  
NUMBER OF SEQ ID NOS: 2  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 1  
LENGTH: 4411529  
TYPE: DNA  
ORGANISM: Mycobacterium tuberculosis  
OTHER INFORMATION: H37Rv  
US-09-103-840A-1

Query Match 4.6%; Score 36.6; DB 3; Length 4411529;  
Best Local Similarity 50.9%; Pred. No. 36;  
Matches 84; Conservative 1; Mismatches 80; Indels 0; Gaps 0;

QY 359 CTTCTCTTGTGACGCCCCGACAGTCTGTGCTACTGAGTGTGAGGGCACTTTGGG 418  
DB 435233 CTTGCTTGTGCGGCTCAATGCGCTCAGCAACTGACGAGCGCGCGCTCGGC 435292  
QY 419 CAGCTGTGCGCTCATTACGAGACCAAGTGAGCAGGGTCTTGCGCACCTGCTGTG 478  
DB 435293 CGCTGTGCTCCACACGCGTGTGCGGGGTCCGCGGACCGCAGGTCTTGCAACCGGG 435352  
QY 479 TTGTGTCCACCTGACGACGATCACAACGAGTGTGAGTGGG 523  
DB 435353 CATGTGCGCAGCACTGCGCAACCCCGCACCGGACTGTGCGCG 435397

RESULT 14  
US-09-461-697-261/c  
Sequence 261, Application US/09461697  
Patent No. 6277974

GENERAL INFORMATION:  
APPLICANT: COGENT NEUROSCIENCE, Inc.  
APPLICANT: Lo, Donald C.  
APPLICANT: Barney, Shawn  
APPLICANT: Thomas, Mary Beth  
APPLICANT: Portbury, Stuart D.  
APPLICANT: Putnam, Kasturi  
APPLICANT: Katz, Lawrence C.  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING  
TITLE OF INVENTION: AND TREATING CONDITIONS, DISORDERS, OR DISEASES INVOLVING  
TITLE OF INVENTION: CELL DEATH  
FILE REFERENCE: 10001-005-999  
CURRENT APPLICATION NUMBER: US/09/461,697  
CURRENT FILING DATE: 1999-12-14  
NUMBER OF SEQ ID NOS: 466  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 261  
LENGTH: 1182  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-461-697-261

Query Match 4.5%; Score 36; DB 3; Length 1182;  
Best Local Similarity 51.9%; Pred. No. 0.6;  
Matches 81; Conservative 0; Mismatches 75; Indels 0; Gaps 0;

QY 99 TTTTCTTTTCTTTTGTGATGCCAGCTTGTGTAGTCTTGTGAAGGTTTCAGGG 158  
DB 1152 TTTTCTTTTCTTTTGTGATGCCAGCTTGTGTAGTCTTGTGAAGGTTTCAGG 1093  
QY 159 TTCCATGATCTTCTTGTCTATTAAGAGATGACATGTAATTCACCTTATGTTA 218  
DB 1092 CTCCTTAGGTGCTACTGATTTTATTTGTGACGACGACACGATACACAGTTTCATT 1033  
QY 219 AATTATGCTTATATATATAGTCTCTCAAGCAAA 254  
DB 1032 AGTAATTTTCACTATAGTTTCTTAAAAAAA 997

RESULT 15  
US-09-220-132-189/c  
Sequence 189, Application US/09220132  
Patent No. 6506607  
GENERAL INFORMATION:  
APPLICANT: Shyjan, Andrew W.  
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE IDENTIFICATION AND ASSESSMENT  
TITLE OF INVENTION: OF PROSTATE CANCER THERAPIES AND THE DIAGNOSIS OF PROSTATE CANCER  
FILE REFERENCE: 07334-074001  
CURRENT APPLICATION NUMBER: US/09/220,132  
CURRENT FILING DATE: 1998-12-23  
PRIOR APPLICATION NUMBER: US 60/079,303  
PRIOR FILING DATE: 1998-03-25  
PRIOR APPLICATION NUMBER: US 60/066,821  
PRIOR FILING DATE: 1997-12-24  
NUMBER OF SEQ ID NOS: 191  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 189  
LENGTH: 2373  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-220-132-189

Query Match 4.5%; Score 36; DB 4; Length 2373;  
Best Local Similarity 51.9%; Pred. No. 0.9;  
Matches 81; Conservative 0; Mismatches 75; Indels 0; Gaps 0;

QY 99 TTTTCTTTTCTTTTGTGATGCCAGCTTGTGTAGTCTTGTGAAGGTTTCAGGG 158  
DB 944 TTTTCTTTTCTTTTGTGATGCCAGCTTGTGTAGTCTTGTGAAGGTTTCAGG 885  
QY 159 TTCCATGATCTTCTTGTCTATTAAGAGATGACATGTAATTCACCTTATGTTA 218  
DB 884 CTCCTTAGGTGCTACTGATTTTATTTGTGACGACGACACGATACACAGTTTCATT 825

Qy 219 AATTAAATGGCTTTTATATTAAGTCTCCTCAAGCAAA 254  
| | | | | | | | | | | | | | | | | | | | | |  
Db 824 AGTAATTTTCATCTATAGGTTTCTTAAAAAAA 789

Search completed: January 13, 2004, 23:23:54  
Job time : 69.7835 secs



GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: January 13, 2004, 22:49:52 ; Search time 291.595 Seconds  
(without alignments)  
9682.402 Million cell updates/sec

Title: US-09-434-382-28\_COPY\_21800\_22600

Perfect score: 801  
Sequence: 1 agtcgcctgcctgctattt.....agcgaagccttgaccgcat 801

Scoring table: IDENTITY NUC  
Gapop 10.0 , Gapext 1.0

Searched: 2324096 seqs, 1762381658 residues

Total number of hits satisfying chosen parameters: 4648192

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications NA:\*

1: /cgn2\_6/ptodata/1/pubpna/US07\_PUBCOMB.seq:\*  
2: /cgn2\_6/ptodata/1/pubpna/PC7\_NEM\_PUB.seq:\*  
3: /cgn2\_6/ptodata/1/pubpna/US06\_NEM\_PUB.seq:\*  
4: /cgn2\_6/ptodata/1/pubpna/US06\_PUBCOMB.seq:\*  
5: /cgn2\_6/ptodata/1/pubpna/US07\_NEM\_PUB.seq:\*  
6: /cgn2\_6/ptodata/1/pubpna/PC7S\_PUBCOMB.seq:\*  
7: /cgn2\_6/ptodata/1/pubpna/US08\_NEM\_PUB.seq:\*  
8: /cgn2\_6/ptodata/1/pubpna/US08\_PUBCOMB.seq:\*  
9: /cgn2\_6/ptodata/1/pubpna/US09\_PUBCOMB.seq:\*  
10: /cgn2\_6/ptodata/1/pubpna/US09\_PUBCOMB.seq:\*  
11: /cgn2\_6/ptodata/1/pubpna/US09C\_PUBCOMB.seq:\*  
12: /cgn2\_6/ptodata/1/pubpna/US09C\_NEM\_PUB.seq:\*  
13: /cgn2\_6/ptodata/1/pubpna/US09\_NEM\_PUB.seq:\*  
14: /cgn2\_6/ptodata/1/pubpna/US10\_PUBCOMB.seq:\*  
15: /cgn2\_6/ptodata/1/pubpna/US10C\_PUBCOMB.seq:\*  
16: /cgn2\_6/ptodata/1/pubpna/US10\_NEM\_PUB.seq:\*  
17: /cgn2\_6/ptodata/1/pubpna/US60\_NEM\_PUB.seq:\*  
18: /cgn2\_6/ptodata/1/pubpna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	800.6	100.0	26664	11	US-09-988-626-28 Sequence 28, Appl
2	800.6	100.0	26664	11	US-09-988-687-28 Sequence 28, Appl
3	800.6	100.0	26664	11	US-09-988-686-28 Sequence 28, Appl
4	145.8	18.2	2481	11	US-09-988-626-1 Sequence 1, Appl
5	145.8	18.2	2481	11	US-09-988-687-1 Sequence 1, Appl
6	145.8	18.2	2481	11	US-09-988-686-1 Sequence 1, Appl
7	145.8	18.2	2892	11	US-09-988-626-225 Sequence 225, App
8	145.8	18.2	2892	11	US-09-988-687-225 Sequence 225, App
9	145.8	18.2	2892	11	US-09-988-686-225 Sequence 225, App
10	145.8	18.2	2908	11	US-09-988-626-223 Sequence 223, App
11	145.8	18.2	2908	11	US-09-988-687-223 Sequence 223, App
12	145.8	18.2	2908	11	US-09-988-686-223 Sequence 223, App
13	145.8	18.2	2958	11	US-09-988-626-3 Sequence 3, Appl
14	145.8	18.2	2958	11	US-09-988-687-3 Sequence 3, Appl
15	145.8	18.2	2958	11	US-09-988-686-3 Sequence 3, Appl

16	144.2	18.0	2907	12	US-10-108-260A-282 Sequence 282, App
17	138.6	17.3	139	11	US-09-988-626-20 Sequence 20, Appl
18	138.6	17.3	139	11	US-09-988-687-20 Sequence 20, Appl
19	138.6	17.3	139	11	US-09-988-686-20 Sequence 20, Appl
20	102.2	12.8	2470	11	US-09-988-626-221 Sequence 221, App
21	102.2	12.8	2470	11	US-09-988-687-221 Sequence 221, App
22	102.2	12.8	2470	11	US-09-988-686-221 Sequence 221, App
23	40.4	5.0	6121	13	US-10-240-485-31 Sequence 31, Appl
24	40.4	5.0	6121	13	US-10-240-485-31 Sequence 31, Appl
25	39.2	4.9	1152	10	US-09-764-847-1517 Sequence 1517, App
26	39.2	4.9	1152	10	US-09-764-847-1517 Sequence 1517, App
27	39.2	4.9	1655	10	US-09-764-847-1518 Sequence 1518, App
28	39.2	4.9	1655	10	US-09-764-847-1518 Sequence 1518, App
29	38.8	4.8	1732	9	US-09-764-853-279 Sequence 379, Appl
30	38.8	4.8	1732	15	US-10-091-438-387 Sequence 387, Appl
31	38.8	4.8	4443	15	US-10-156-761-3260 Sequence 3260, App
32	38.8	4.8	6014	13	US-10-354-358-89 Sequence 89, Appl
33	38.8	4.8	15548	13	US-10-311-455-2128 Sequence 2128, Appl
34	38.8	4.8	9025608	15	US-10-156-761-1 Sequence 1, Appl
35	38	4.7	5981	13	US-10-311-455-2166 Sequence 2166, Appl
36	38	4.7	10286	13	US-10-240-453-21 Sequence 21, Appl
37	38	4.7	10286	15	US-10-239-676-13 Sequence 13, Appl
38	37.6	4.7	3673778	13	US-10-312-841-2 Sequence 2, Appl
39	36.8	4.6	671	10	US-09-764-847-296 Sequence 296, App
40	36.8	4.6	671	15	US-10-092-154-296 Sequence 296, App
41	36.8	4.6	1578	13	US-09-822-830A-583 Sequence 583, App
42	36.2	4.5	1967	13	US-10-027-632-25182 Sequence 25182, App
43	36.2	4.5	1967	14	US-10-027-632-25182 Sequence 25182, App
44	36.2	4.5	4003	12	US-10-369-186-268 Sequence 268, App
45	36.2	4.5	4003	13	US-10-361-811-268 Sequence 268, App

ALIGNMENTS

RESULT 1  
US-09-988-626-28  
Sequence 28, Application US/09988626  
Publication No. US20030044959A1  
GENERAL INFORMATION:  
APPLICANT: Tavitligian, Sean V.  
APPLICANT: Teng, David H.F.  
APPLICANT: Simard, Jacques  
APPLICANT: Rommens, Johanna M.  
APPLICANT: Myriad Genetics, Inc.  
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
FILE REFERENCE: 2318-258  
CURRENT FILING DATE: 2001-11-20  
PRIORITY FILING DATE: 09/564, 805  
PRIORITY FILING DATE: 2000-05-05  
PRIORITY FILING DATE: 1998-11-06  
PRIORITY FILING DATE: 1999-11-05  
NUMBER OF SEQ ID NOS: 240  
SOFTWARE: Patentin Ver. 2.0  
SEQ ID NO 28  
LENGTH: 26664  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (910)..(13104)  
OTHER INFORMATION: exon 1: 910-1154; exon 2: 1736-1786; exon 3:  
OTHER INFORMATION: exon 6: 5582-5650; exon 4: 3025-3089; exon 5: 4361-4418;  
OTHER INFORMATION: exon 8: 5582-5650; exon 7: 7075-7194; exon 8:  
OTHER INFORMATION: 8186-8244; exon 9: 12878-12936; exon 10:  
NAME/KEY: misc\_feature  
LOCATION: (13756)..(22917)  
OTHER INFORMATION: exon 11: 13756-13868; exon 12: 15283-15378; exon

OTHER INFORMATION: 13: 16278-16416; exon 14: 16498-16583; exon 15:  
OTHER INFORMATION: 18583-18701; exon 16: 20349-20445; exon 17:  
OTHER INFORMATION: 22172-22310; exon 18: 22879-22917  
NAME/KEY: misc feature  
LOCATION: (23045)..(26452)  
OTHER INFORMATION: exon 19: 23045-23154; exon 20: 23795-23895; exon  
OTHER INFORMATION: 21: 23973-24093; exon 22: 24354-24432; exon 23:  
OTHER INFORMATION: 25026-25170; exon 24: 25812-26036; polyadenylation  
OTHER INFORMATION: signal: 26447-26452  
NAME/KEY: variation  
LOCATION: (826)..(23879)  
OTHER INFORMATION: s at positions 826 and 23180 is G or C; y at  
OTHER INFORMATION: positions 1914, 5568, 7165, 16431, 1857 and 20486  
OTHER INFORMATION: is C or T; n at position 13128 is t or lgat; r at  
OTHER INFORMATION: positions 22211 and 23879 is A or G.  
US-09-988-626-28

Query Match 100.0%; Score 800.6; DB 11; Length 26664;  
Best Local Similarity 100.0%; Pred. No. 9.8e-234;  
Matches 801; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 AGTGCCTGCTCGTATTTTCAACAGAGGCTGTGGCCACAGCATCTGCATGTCAGAT 60  
21800 AGTGCCTGCTCGTATTTTCAACAGAGGCTGTGGCCACAGCATCTGCATGTCAGAT 21859  
61 TCATTGTAGACTAAATGCTTTAAGCCCTCTATAAATCTTTTGTGATGTC 120  
21860 TCATTGTAGACTAAATGCTTTAAGCCCTCTATAAATCTTTTGTGATGTC 21919  
121 CCAGCCTTGTGTAAAGTCTACTTAAAGGGTTTCAGGGTTCCATGATACCTTTGCTA 180  
21920 CCAGCCTTGTGTAAAGTCTACTTAAAGGGTTTCAGGGTTCCATGATACCTTTGCTA 21979  
181 TAAAGAGATGACATGTAATAATCCTTTAAGTTAATTAATGCTTTTATATG 240  
21980 TAAAGAGATGACATGTAATAATCCTTTAAGTTAATTAATGCTTTTATATG 22039  
241 CTCCTCAAGCAAGAGAGAGAGAGAGAAATTTCTGCAATGCTTCTGCTGCTCA 300  
22040 CTCCTCAAGCAAGAGAGAGAGAGAGAAATTTCTGCAATGCTTCTGCTGCTCA 22099  
301 AGCAGACATGACCTCTGTAGCAATCATGACAGCTCTCTAGTGCAGTACTCTTCTCT 360  
22100 AGCAGACATGACCTCTGTAGCAATCATGACAGCTCTCTAGTGCAGTACTCTTCTCT 22159  
361 TCTCTTGTGACCCCGACAGCTCTGTCTACTGACCTGTGTGAGGGGACCTTTGGGCA 420  
22160 TCTCTTGTGACCCCGACAGCTCTGTCTACTGACCTGTGTGAGGGGACCTTTGGGCA 22219  
421 GCTGTGCGCTCATTTACGAGACACAGGTTGACAGGCTCTGGGCACTCTGCTGTGTT 480  
22220 GCTGTGCGCTCATTTACGAGACACAGGTTGACAGGCTCTGGGCACTCTGCTGTGTT 22279  
481 TGTGTCCACCTGTGACGACAGATCAACCAACGCTGTGAGTGGCTGGACCAAAAGCTGG 540  
22280 TGTGTCCACCTGTGACGACAGATCAACCAACGCTGTGAGTGGCTGGACCAAAAGCTGG 22339  
541 AGCCTGAGAGAGAGCACTGCCAGTGTGAGTGGCCCTTTGGCTGCTTTCTCCGCTT 600  
22340 AGCCTGAGAGAGAGCACTGCCAGTGTGAGTGGCCCTTTGGCTGCTTTCTCCGCTT 22399  
601 CCAAACTTCCAGAGACTTTTGTACTCATCTGTGCTGAGAAATGTTTTTGCAAAAC 660  
22400 CCAAACTTCCAGAGACTTTTGTACTCATCTGTGCTGAGAAATGTTTTTGCAAAAC 22459  
661 TCAACATAGCTCTTGTGCGCCACCAAGAAATGCTTCTCTCTGTGAGTCTCTTCTG 720  
22460 TCAACATAGCTCTTGTGCGCCACCAAGAAATGCTTCTCTCTGTGAGTCTCTTCTG 22519  
721 AGCAGAGAGAGGTTGAGTTACCCAGAGCTTCTGTAGTCTTGAATCTCAACAGGCTGCT 780  
22520 AGCAGAGAGAGGTTGAGTTACCCAGAGCTTCTGTAGTCTTGAATCTCAACAGGCTGCT 22579

781 CAGCGAAGCTTTGACCGGAT 801  
22580 CAGCGAAGCTTTGACCGGAT 22600

RESULT 2  
US-09-988-687-28

Sequence 28, Application US/09988687  
Publication No. US20030045704A1

GENERAL INFORMATION:

APPLICANT: Tavignan, Sean V.

APPLICANT: Teng, David H.F.

APPLICANT: Simard, Jacques

APPLICANT: Rommens, Johanna M.

APPLICANT: Myriad Genetics, Inc.

TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility

FILE REFERENCE: 2318-258

CURRENT APPLICATION NUMBER: US/09/988,687

CURRENT FILING DATE: 2001-11-20

PRIOR APPLICATION NUMBER: 09/564,805

PRIOR FILING DATE: 2000-05-05

PRIOR APPLICATION NUMBER: US 60/107,468

PRIOR FILING DATE: 1998-11-06

PRIOR FILING DATE: 1999-11-05

NUMBER OF SEQ ID NOS: 240

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 28

LENGTH: 26664

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: misc feature

LOCATION: (910)..(13104)

OTHER INFORMATION: exon 1: 910-1154; exon 2: 1736-1786; exon 3:

OTHER INFORMATION: 1925-1995; exon 4: 3025-3089; exon 5: 4361-4418;

OTHER INFORMATION: exon 6: 5582-5650; exon 7: 7075-7194; exon 8:

OTHER INFORMATION: 8186-8244; exon 9: 12878-12936; exon 10:

OTHER INFORMATION: 13032-13104;

NAME/KEY: misc feature

LOCATION: (13756)..(22917)

OTHER INFORMATION: exon 11: 13756-13868; exon 12: 15283-15378; exon

OTHER INFORMATION: 13: 16278-16416; exon 14: 16498-16583; exon 15:

OTHER INFORMATION: 18583-18701; exon 16: 20349-20445; exon 17:

OTHER INFORMATION: 22172-22310; exon 18: 22879-22917

NAME/KEY: misc feature

LOCATION: (23045)..(26452)

OTHER INFORMATION: exon 19: 23045-23154; exon 20: 23795-23895; exon

OTHER INFORMATION: 21: 23973-24093; exon 22: 24354-24432; exon 23:

OTHER INFORMATION: 25026-25170; exon 24: 25812-26036; polyadenylation

OTHER INFORMATION: signal: 26447-26452

NAME/KEY: variation

LOCATION: (826)..(23879)

OTHER INFORMATION: s at positions 826 and 23180 is G or C; y at

OTHER INFORMATION: positions 1914, 5568, 7165, 16431, 1857 and 20486

OTHER INFORMATION: is C or T; n at position 13128 is t or lgat; r at

OTHER INFORMATION: positions 22211 and 23879 is A or G.

US-09-988-687-28

Query Match 100.0%; Score 800.6; DB 11; Length 26664;  
Best Local Similarity 100.0%; Pred. No. 9.8e-234;  
Matches 801; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 AGTGCCTGCTCGTATTTTCAACAGAGGCTGTGGCCACAGCATCTGCATGTCAGAT 60  
21800 AGTGCCTGCTCGTATTTTCAACAGAGGCTGTGGCCACAGCATCTGCATGTCAGAT 21859  
61 TCATTGTAGACTAAATGCTTTAAGCCCTCTATAAATCTTTTGTGATGTC 120  
21860 TCATTGTAGACTAAATGCTTTAAGCCCTCTATAAATCTTTTGTGATGTC 21919  
121 CCAGCCTTGTGTAAAGTCTACTTAAAGGGTTTCAGGGTTCCATGATACCTTTGCTA 180



```

Db 21920 CCACCTTTGTGAAGTCTACTGTAAGGTTTCAGGGTTCACAGATACCTTTGGCTA 21979
Qy 181 TAAAGAGATGACACATGTAATACCTTTATGTTAAATTAATGCTTTATATAG 240
Db 21980 TAAAGAGATGACACATGTAATACCTTTATGTTAAATTAATGCTTTATATAG 22039
Qy 241 CTCCTCAAGCAAGCAAGAGAGACAGAAATTTCTGCAAGTTGCTTTGCTCTGCCAA 300
Db 22040 CTCCTCAAGCAAGCAAGAGAGACAGAAATTTCTGCAAGTTGCTTTGCTCTGCCAA 22099
Qy 301 AGCAGACATCAGCCTCTGACATCAGATGCTTCTTATGTCAGTACTCTTCTCT 360
Db 22100 AGCAGACATCAGCCTCTGACATCAGATGCTTCTTATGTCAGTACTCTTCTCT 22159
Qy 361 TCTCTTCGCAAGCCCGCAGCTCTGCTCTGCTGACGTCGTGAGGGCARTTTGGGCA 420
Db 22160 TCTCTTCGCAAGCCCGCAGCTCTGCTGCTGACGTCGTGAGGGCARTTTGGGCA 22219
Qy 421 GCTGTGCCGTATTAAGAGACAGAGTGAAGAGGTCCTGGGCAACCTGGCTGTGTGT 480
Db 22220 GCTGTGCCGTATTAAGAGACAGAGTGAAGAGGTCCTGGGCAACCTGGCTGTGTGT 22279
Qy 481 TGTGTCCCACTGCAAGCAGATCACACACAGGTGATGTTGGCTGACCAAAAGCTGG 540
Db 22280 TGTGTCCCACTGCAAGCAGATCACACACAGGTGATGTTGGCTGACCAAAAGCTGG 22339
Qy 541 AGCTGAGAGAGGACCTGSCACAGTGAATGGCCCTTTGGCTGCTTTCTCCGCTT 600
Db 22340 AGCTGAGAGAGGACCTGSCACAGTGAATGGCCCTTTGGCTGCTTTCTCCGCTT 22399
Qy 601 CCAAACTTCCCAAGAGCTTTTGTACTCATCTGCTGAGAAATGTTTTCGAAAC 660
Db 22400 CCAAACTTCCCAAGAGCTTTTGTACTCATCTGCTGAGAAATGTTTTCGAAAC 22459
Qy 661 TCAACATAGTCTTCTGCGCACAAGAAATGTTCTTCTCTGTCAGTCTTTCTGTC 720
Db 22460 TCAACATAGTCTTCTGCGCACAAGAAATGTTCTTCTCTGTCAGTCTTTCTGTC 22519
Qy 721 AGCAGAGAGGTTGAGTTTACCCAGCTTCTGTAAGTCTGAATCTCAACAGGCTGCT 780
Db 22520 AGCAGAGAGGTTGAGTTTACCCAGCTTCTGTAAGTCTGAATCTCAACAGGCTGCT 22579
Qy 781 CAGCGGAGCTTTGACCGGAT 801
Db 22580 CAGCGGAGCTTTGACCGGAT 22600

```

## RESULT 3

```

US-09-988-686-28
; Sequence 28, Application US/09988686
; Publication No. US20030120052A1
; GENERAL INFORMATION:
; APPLICANT: Tavligian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 09/988,686
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 28
; LENGTH: 26664

```

```

; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (910)..(13104)
; OTHER INFORMATION: exon 1: 910-1154; exon 2: 1736-1786; exon 3:
; OTHER INFORMATION: 1925-1995; exon 4: 3025-3089; exon 5: 4361-4418;
; OTHER INFORMATION: exon 6: 5582-5650; exon 7: 7075-7194; exon 8:
; OTHER INFORMATION: 8186-8244; exon 9: 12878-12936; exon 10:
; OTHER INFORMATION: 13032-13104;
; NAME/KEY: misc feature
; LOCATION: (13756)..(22917)
; OTHER INFORMATION: exon 11: 13756-13868; exon 12: 15283-15378; exon
; OTHER INFORMATION: 13: 16278-16416; exon 14: 16498-16583; exon 15:
; OTHER INFORMATION: 18583-18701; exon 16: 20349-20445; exon 17:
; OTHER INFORMATION: 22172-22310; exon 18: 22879-22917
; NAME/KEY: misc feature
; LOCATION: (23045)..(26452)
; OTHER INFORMATION: exon 19: 23045-23154; exon 20: 23795-23895; exon
; OTHER INFORMATION: 21: 23973-24093; exon 22: 24354-24432; exon 23:
; OTHER INFORMATION: 25026-25170; exon 24: 25812-26036; polyadenylation
; OTHER INFORMATION: signal: 26447-26452
; NAME/KEY: variation
; LOCATION: (826)..(23879)
; OTHER INFORMATION: s at positions 826 and 23180 is G or C; y at
; OTHER INFORMATION: positions 1914, 5568, 7165, 16431, 1857 and 20486
; OTHER INFORMATION: is C or T; n at position 13128 is t or tgat; r at
; OTHER INFORMATION: positions 22211 and 23879 is A or G.
US-09-988-686-28
Query Match 100.0%; Score 800.6; DB 11; Length 26664;
Best Local Similarity 100.0%; Pred. No. 9.8e-224;
Matches 801; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

QY	601	CCAACTTGGCCAGAGCTTTTGTATTACATCTCTGGCTAGGAATGGTTTTTGGCAAAAC	660
Db	22400	CCAAACTTGGCCAGAGCTTTTGTATTACATCTCTGGCTAGGAATGGTTTTTGGCAAAAC	22458
QY	661	TCAACATAGTCTCTCTCTGCGCACAGAAATGTCCTCTCTGTCAGTCTCTTCTCTGC	720
Db	22460	TCAACATAGTCTCTCTCTGCGCACAGAAATGTCCTCTCTCTGTCAGTCTCTTCTCTGC	22519
QY	721	AGCAGGACAGGTTTGAATTAAACCAAGCTTCTTGAATCTTGAATCTCACACGGCCTGCT	780
Db	22520	AGCAGGACAGGTTTGAATTAAACCAAGCTTCTTGAATCTTGAATCTCACACGGCCTGCT	22579
QY	781	CAGCGGAAGCTTTGACCGGAT	801
Db	22580	CAGCGGAAGCTTTGACCGGAT	22600

```

RESULT 4
US-09-988-626-1
Sequence 1, Application US/09988626
Publication No. US20030044959A1
GENERAL INFORMATION:
APPLICANT: Tavtighian, Sean V.
APPLICANT: Teng, David H.F.
APPLICANT: Simard, Jacques
APPLICANT: Rommens, Johanna M.
APPLICANT: Myriad Genetics, Inc.
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
FILE REFERENCE: 2318-258
CURRENT APPLICATION NUMBER: US/09/988,626
CURRENT FILING DATE: 2001-11-20
PRIOR APPLICATION NUMBER: 09/564,805
PRIOR FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: US 60/107,468
PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/434,382
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 1
LENGTH: 2481
TYPE: DNA
ORGANISM: Homo sapiens
FEATURES:
NAME/KEY: CDS
LOCATION: (1)..(2478)
US-09-988-626-1

```

[illegible]

RESULT 5  
US-09-988-687-1  
; Sequence 1, Application US/09988687  
; Publication No. US20030045704A1  
; GENERAL INFORMATION:  
; APPLICANT: Tavtigian, Sean V.

```

APPLICANT: Teng, David H.F.
APPLICANT: Simard, Jacques
APPLICANT: Rommens, Johanna M.
APPLICANT: Wyriad Genetics, Inc.
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
FILE REFERENCE: 2318-258
CURRENT APPLICATION NUMBER: US/09/988,687
CURRENT FILING DATE: 2001-11-20
PRIOR APPLICATION NUMBER: 09/564,805
PRIOR FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: US 60/107,468
PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/453,382
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1
LENGTH: 2481
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)..(2478)
US-03-988-687-1

```

Query Match	Similarity	18.2%	Score 145.8	DB 11	Length 2481
Best Local	Similarity	89.1%	Pred. No. 1.7e-33		
Matches	156	Conservative	1	Mismatches	18
				Indels	0
				Gaps	0
Qy	338	AGTGGAGTGAAGTCTCTTCTCTCTCTCTTTCGACGCCCGACAGCTCTTGCTACTGAC	397		
Db	1486	ATTGGAATGTCAGATGGCACACTTGTCAACATTAAGCCCGACAGCTCTTGCTACTGAC	1545		
Qy	398	TGTGTGAGGCGACRTTTGGGACGCTGCGCGTATTATACGAGACCAAGTGTGAAGGGTC	457		
Db	1546	TGTGTGAGGCGACATTTGGGCACTGTGCGGTATTACGAGAGCCAGGTGTGAAGGGTC	1605		
Qy	458	CTGGGACACCCGTGGCGTGTGTTGTGTGCCACCTGGACGAGATCAACACCG	512		
Db	1606	CTGGGACACCCGTGGCGTGTGTTGTGTGCCACCTGGACGAGATCAACACCG	1660		

```

RESULT 6
US-09-988-686-1
/ Sequence 1, Application US/09988686
/ Publication No. US20030120052A1
/ GENERAL INFORMATION:
/ APPLICANT: Tavtigian, Sean V.
/ APPLICANT: Teng, David H. F.
/ APPLICANT: Simard, Jacques
/ APPLICANT: Rommens, Johanna M.
/ APPLICANT: Myriad Genetics, Inc.
/ TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility
/ TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
/ FILE REFERENCE: 2318-258
/ CURRENT APPLICATION NUMBER: US/09/988,686
/ CURRENT FILING DATE: 2001-11-20
/ PRIOR APPLICATION NUMBER: 09/564,805
/ PRIOR FILING DATE: 2000-05-05
/ PRIOR APPLICATION NUMBER: US 60/107,468
/ PRIOR FILING DATE: 1998-11-06
/ PRIOR APPLICATION NUMBER: 09/434,382
/ PRIOR FILING DATE: 1999-11-05
/ NUMBER OF SEQ ID NOS: 240
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 1
/ LENGTH: 2481
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: (1)..(2478)

```

US-09-988-686-1

Query Match	18.2%;	Score 145.8;	DB 11;	length 2481;
Best Local Similarity	89.1%;	Pred. No. 1.7e-33;		
Matches 156;	Conservative 1;	Mismatches 18;	Indels 0;	Gaps 0;

[illegible]

RESULT 7  
US-09-98

```

Sequence 225, Application No./09988626
Publication No. US20030044959A1
GENERAL INFORMATION:
APPLICANT: Tavtigian, Sean V.
APPLICANT: Teng, David H.F.
APPLICANT: Simard, Jacques
APPLICANT: Rommens, Johanna M.
APPLICANT: Myriad Genetics, Inc.
TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility
FILE REFERENCE: 2318-258
CURRENT APPLICATION NUMBER: US/09/988,626
CURRENT FILING DATE: 2001-11-20
PRIOR APPLICATION NUMBER: 09/564,805
PRIOR FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: US 60/107,468
PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/434,382
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 225
LENGTH: 2892
TYPE: DNA
ORGANISM: Gorilla gorilla
FEATURE:
NAME/KEY: CDS
LOCATION: (1)..(2478)
US-09-988-626-225

```

Query Match	18.2%;	Score 145.8;	DB 11;	Length 2892;
Best Local Similarity	89.1%;	Pred. No. 1.8e-33;		
Matches 156;	Conservative 1;	Mismatches 18;	Indels 0;	Gaps 0;

[illegible]

## RESULT

US-09-988-687-225  
; Sequence 225, Application US/09988687  
; Publication No. US20030045704A1  
; GENERAL INFORMATION:

```

APPLICANT: Tavtigian, Sean V.
APPLICANT: Teng, David H.F.
APPLICANT: Simard, Jacques
APPLICANT: Rommens, Johanna M.
APPLICANT: Myriad Genetics, Inc.
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
FILE REFERENCE: 2318-258
CURRENT APPLICATION NUMBER: US/09/988,687
CURRENT FILING DATE: 2001-11-20
PRIOR APPLICATION NUMBER: 09/564,805
PRIOR FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: US 60/107,468
PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/434,382
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 225
LENGTH: 2892
TYPE: DNA
ORGANISM: Gorilla gorilla
FEATURE:
NAME/KEY: CDS
LOCATION: (1)..(2478)
US-09-988-687-225

```

Query Match	18.2%;	Score 145.8;	DB 11;	Length 2892;
Best Local Similarity	-89.1%;	Pred. No. 1.8e-33;		
Matches 156;	Conservative 1;	Mismatches 18;	Indels 0;	Gaps 0;

[illegible]

## RESULT 5

```

US-09-988-686-225
? Sequence 225, Application US/09988686
? Publication No. US20030120052A1
? GENERAL INFORMATION:
? APPLICANT: Tavligian, Sean V.
? APPLICANT: Teng, David H.F.
? APPLICANT: Simard, Jacques
? APPLICANT: Rommens, Johanna M.
? APPLICANT: Myriad Genetics, Inc.
? TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
? TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
? FILE REFERENCE: 2318-258
? CURRENT APPLICATION NUMBER: US/09/988,686
? CURRENT FILING DATE: 2001-11-20
? PRIOR APPLICATION NUMBER: 09/564,805
? PRIOR FILING DATE: 2000-05-05
? PRIOR APPLICATION NUMBER: US 60/107,468
? PRIOR FILING DATE: 1998-11-06
? PRIOR APPLICATION NUMBER: 09/434,382
? PRIOR FILING DATE: 1999-11-05
? NUMBER OF SEQ ID NOS: 240
? SOFTWARE: PatentIn Ver. 2.0
? SEQ ID NO 225
? LENGTH: 2882
? TYPE: DNA
? ORGANISM: Gorilla gorilla
? FEATURE:
? NAME/KEY: CDS

```

LOCATION: (1) .. (2478)  
US-09-988-686-225

Query Match 18.2%; Score 145.8; DB 11; Length 2892;  
Best Local Similarity 89.1%; Pred. No. 1.8e-33;  
Matches 156; Conservative 1; Mismatches 18; Indels 0; Gaps 0;

Oy 338 AGTGGCAGTGAACCTCTTCCCTCTCTCTTGTGACGCCGACAGCTCTGCTACTGGAC 397  
 Db 1486 ATTGGAAATGTCACTGCGCCACACTTGTCAACATATMAGCCCCGACAGCTCTCTGCTACTGGAC 1545

Qy	398	TGTGGTAGGGGACCTTTTGGGACAGTGTGGCGTCATTACGGAGACAGGTGGACAGGTC	457
Db	1546	TGTGTGAGGGACACCTTTTGGGACAGCTGTGCCGTCATTACGGAGACCAAGGTGGACAGGTC	1605

Oy 458 CTGGGACCCCTGGCTGTGTGTTTGTGTCCACCTGACGCGAGATCACACACGG 512  
 |||||  
 Db 1606 CTGGGACCCCTGGCTGTGTGTTTGTGTCCACCTGACGCGAGATCACACACGG 1666

RESULT 10  
US-09-988-626-223

```

; Sequence 223, Application US/09988626
; Publication No. US20030044959A1
; GENERAL INFORMATION:

```

1. APPLICANT: Tavtigian, Sean V.  
 2. APPLICANT: Teng, David H.F.  
 3. APPLICANT: Simard, Jacques  
 4. APPLICANT: Rommens, Johanna M.  
 5. APPLICANT: Myriad Genetics, Inc.  
 6. TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
 7. TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes

FILE REFERENCE: 2318-258  
CURRENT APPLICATION NUMBER: US/09/988,632  
CURRENT FILING DATE: 2001-11-20  
PRIOR APPLICATION NUMBER: 09/564,805  
PRIOR FILING DATE: 2000-05-05  
PRIOR APPLICATION NUMBER: US 60/107,468  
PRIOR FILING DATE: 1998-11-06  
PRIOR APPLICATION NUMBER: 09/334,382  
PRIOR FILING DATE: 1999-11-05  
NUMBER OF SEQ ID NOS: 240  
SOFTWARE: Patencin Ver. 2.0

```

; SEQ ID NO 223
; LENGTH: 2908
; TYPE: DNA
; ORGANISM: Pan troglodytes
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1) .. (2478)
US-09-988-626-223

```

Query Match	18.2%	Score 145.8	DB 11	Length 2908
Best Local Similarity	89.1%	Pred. No. 1.8e-33		
Matches 156; Conservative		1; Mismatches 18;	Indels 0;	Gaps 0

QY	338	AGTGCAGTCACTCTTCTCTTCTGACAGCCGCCACAGTCTGCTACTGGAC	397
Db	1486	ATTCCAAATGTCAATGCCCACTTGTCAATAGCCCGCACGCTCTGCTACTGGAC	1544

QY	398	457
TGTGTGAGGACACRTTTGGCAGCTGTGCGCTCATTTACGAGACCAAGTGTGACAGGTC		
Db	1546	1608
TGTGTGAGGACACRTTTGGCAGCTGTGCGCTCATTTACGAGACCAAGTGTGACAGGTC		

QY 458 CTGGGCAACCCTGGCTGTGTTTGTGCCACTGCACGAGATCACCACCGG 512  
|||||  
Db 1606 CTGGGCAACCCTGGCTGTGTTTGTGCCACTGCACGAGATCACCACCGG 166

```

RESULT 11
US-09-988-687-223
; Sequence 223, Application US/09988687
; Publication No. US20030045704A1

```

; GENERAL INFORMATION:

1. APPLICANT: Tavtigian, Sean V.  
 2. APPLICANT: Teng, David H. F.  
 3. APPLICANT: Simard, Jacques  
 4. APPLICANT: Rommens, Johanna M.  
 5. APPLICANT: Myriad Genetics, Inc.  
 6. TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility  
 7. TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes

CURRENT APPLICATION NUMBER: US/09/988,687  
 CURRENT FILING DATE: 2001-11-20  
 PRIOR APPLICATION NUMBER: 09/564,805

PRIOR APPLICATION NUMBER: US 60/107,468  
PRIOR FILING DATE: 1998-11-06  
PRIOR APPLICATION NUMBER: 09/434,382

```

; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 223

```

```

/ LENGTH: 2200
;
; TYPE: DNA
; ORGANISM: Pan troglodytes
; FEATURE:
;

```

LOCATION: (1) .. (2478)  
US-09-988-687-223

Query Match	18.2%	Score 145.8	DB 11	length 2908
Similarity	89.1%	Pred. No. 1.8e-33		
Best Local	1	Mismatches 18	Indels 0	Gaps 0
Matches 156	Conservative			

QY 338 AATGGCAGTGACTCTCTTCCCTCTCTCTTTGTGAGCCCCGACAGCTCTCTGCTATGGAC 397

Db 1486 AATTGGAATGTGAGTGCACACACTTGTCAACATTAAGCCCCGACAGCTCTCTGCTATGGAC 1545

QY 398 TCTGTAGTGGGACR TTTGGGAGCTGTGCGCCATTAACGAGACAGGTGACAGGGTC 457

Db 1546 TGTGTAGTGGGACG TTTGGGAGCTGTGCGCCATTAACGAGACAGGTGACAGGGTC 1608

DQ 458 CTGGGCAACCCCTGGCTGTGTGTGTGTGCCACCTGGCAGCAGATCACCAACCG 512  
|||  
DQ 1606 CTGGGCAACCCCTGGCTGTGTGTGTGTGCCACCTGGCAGCAGATCACCAACCG 1667

RESULT 12  
US-09-988

```

; Sequence 223, Application US/09988686
; Publication No. US20030120052A1
; GENERAL INFORMATION:

```

APPLICANT:	Teng, David H.F.
APPLICANT:	Simard, Jacques
APPLICANT:	Rommens, Johanna

FILE REFERENCE: 2318-258

PRIOR FILING DATE: 2000-05-05

; PRIOR FILING DATE: 1998-11-06  
 ; PRIOR APPLICATION NUMBER: 09/434,382  
 ; PRIOR FILING DATE: 1999-11-05

```

; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 223
LENGTH: 3608

```

```

; ORGANISM: Pan troglodytes
;
; FEATURE:

```

**Page 6**





GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: January 13, 2004, 16:08:41 ; Search time 30.4516 Seconds  
(without alignments)  
7247.291 Million cell updates/sec

Title: US-09-434-382-28\_COPY\_1\_500  
Perfect score: 500  
Sequence: 1 taccagctgactgactctca.....aagctctgaggactgactcgt 500

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 10%  
Listing first 45 summaries

Database : Issued Patents\_NA.\*  
1: /cgn2\_6/ptodata/2/ina/5A\_COMB.seq:\*  
2: /cgn2\_6/ptodata/2/ina/5B\_COMB.seq:\*  
3: /cgn2\_6/ptodata/2/ina/6A\_COMB.seq:\*  
4: /cgn2\_6/ptodata/2/ina/6B\_COMB.seq:\*  
5: /cgn2\_6/ptodata/2/ina/PTUS\_COMB.seq:\*  
6: /cgn2\_6/ptodata/2/ina/backfillseq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	500	100.0	26664	4	US-09-564-805-28
2	120.4	24.1	7680	4	US-09-210-748A-3
3	119.6	23.9	1160	4	US-09-016-434-1325
4	119.6	23.9	70000	4	US-09-851-896-3
5	115.8	23.2	8220	4	US-09-797-908-3
6	115.6	23.1	84495	4	US-09-797-908-3
7	115.4	23.1	8285	4	US-09-732-028-3
8	115.4	23.1	11827	4	US-09-732-028-3
9	115	23.0	38564	4	US-09-734-673-3
10	112.8	22.6	70000	4	US-09-851-896-3
11	111.6	22.3	19011	1	US-08-310-356-36
12	111.6	22.3	19557	5	PCT-US92-06300-1
13	111.4	22.3	1268	4	US-09-369-247-42
14	111.4	22.3	2099	3	US-08-938-668A-5
15	111.4	22.3	2099	3	US-08-938-668A-5
16	111.4	22.3	14636	3	US-09-173-914-6
17	111.4	22.3	25464	4	US-09-325-480A-4
18	111.2	22.2	64467	4	US-09-803-671B-3
19	111.2	22.2	246240	2	US-08-724-394A-20
20	111.2	22.2	246240	2	US-08-724-394A-21
21	111.2	22.2	246240	2	US-08-724-394A-22
22	110.8	22.2	5375	3	US-08-757-223-7
23	110.4	22.1	13394	4	US-09-488-856A-10
24	110.4	22.1	84495	4	US-09-797-908-3
25	110.4	22.1	319608	4	US-09-539-333D-1
26	110.4	22.1	319608	4	US-09-679-409-1
27	110.2	22.0	320	1	US-08-629-939-5

28	110.2	22.0	320	1	US-08-759-873-5	Sequence 5, Appli
29	110	22.0	980	4	US-09-671-317-144	Sequence 14, App
30	110	22.0	36159	4	US-09-749-588-3	Sequence 3, Appli
31	110	22.0	174493	4	US-09-804-471A-3	Sequence 3, Appli
32	109.8	22.0	19650	4	US-09-819-989-3	Sequence 3, Appli
33	109.8	22.0	202001	4	US-09-734-674-3	Sequence 3, Appli
34	109.8	22.0	246240	2	US-08-724-394A-20	Sequence 20, Appl
35	109.8	22.0	246240	2	US-08-724-394A-21	Sequence 21, Appl
36	109.8	22.0	246240	2	US-08-724-394A-22	Sequence 22, Appl
37	109.4	21.9	668	3	US-09-347-114A-93	Sequence 93, Appl
38	109.4	21.9	9734	3	US-09-347-114A-80	Sequence 80, Appl
39	109.2	21.8	14796	3	US-08-975-080-35	Sequence 35, Appl
40	109.2	21.8	14796	3	US-09-630-706-10	Sequence 10, Appl
41	109.2	21.8	14796	4	US-09-496-634B-3	Sequence 3, Appli
42	109.2	21.8	83450	4	US-09-811-469-3	Sequence 3, Appli
43	109	21.8	602	3	US-09-078-294-27	Sequence 27, Appl
44	109	21.8	31208	4	US-09-851-067-3	Sequence 3, Appli
45	109	21.8	148567	4	US-09-801-876B-3	Sequence 3, Appli

## ALIGNMENTS

RESULT 1  
US-09-564-805-28  
Sequence 28, Application US/09564805  
Patent No. 6333403  
GENERAL INFORMATION:  
APPLICANT: Tavitgian, Sean V.  
APPLICANT: Teng, David H.F.  
APPLICANT: Simard, Jacques  
APPLICANT: Rommens, Johanna M.  
APPLICANT: Myriad Genetics, Inc.  
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
FILE REFERENCE: 2318-258  
CURRENT APPLICATION NUMBER: US/09/564,805  
CURRENT FILING DATE: 2000-05-05  
PRIOR APPLICATION NUMBER: US 60/107,468  
PRIOR FILING DATE: 1998-11-06  
PRIOR APPLICATION NUMBER: 09/434,382  
NUMBER OF SEQ ID NOS: 240  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 28  
LENGTH: 26664  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: misc feature  
LOCATION: (910)..(13104)  
OTHER INFORMATION: exon 1: 910-1154; exon 2: 1736-1786; exon 3:  
OTHER INFORMATION: 1925-1995; exon 4: 3025-3089; exon 5: 4361-4418;  
OTHER INFORMATION: exon 6: 5582-5650; exon 7: 7075-7194; exon 8:  
OTHER INFORMATION: 8186-8244; exon 9: 12878-12936; exon 10:  
NAME/KEY: misc feature  
LOCATION: (13756)..(22917)  
OTHER INFORMATION: exon 11: 13756-13868; exon 12: 15283-15378; exon  
OTHER INFORMATION: 13: 16278-16416; exon 14: 16498-16583; exon 15:  
OTHER INFORMATION: 16583-18701; exon 16: 20349-20445; exon 17:  
OTHER INFORMATION: 22172-22310; exon 18: 22879-22917  
NAME/KEY: misc feature  
LOCATION: (23045)..(26452)  
OTHER INFORMATION: exon 19: 23045-23154; exon 20: 23795-23895; exon  
OTHER INFORMATION: 21: 23973-24093; exon 22: 24358-24432; exon 23:  
OTHER INFORMATION: 25026-25170; exon 24: 25812-26036; polyadenylation  
OTHER INFORMATION: signal: 26447-26452  
NAME/KEY: variation  
LOCATION: (826)..(23879)  
OTHER INFORMATION: s at positions 826 and 23180 is G or C; y at  
OTHER INFORMATION: positions 1914, 5368, 7165, 16431, 1857 and 20486  
OTHER INFORMATION: is C or T; n at position 13128 is C or Tgat; r at  
OTHER INFORMATION: positions 22211 and 23879 is A or G.

US-09-564-805-28

Query Match 100.0%; Score 500; DB 4; Length 2664;

Best Local Similarity 100.0%; Pred. No. 1.4e-132; Mismatches 0; Indels 0; Gaps 0;

Matches 500; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
QY 1 TATCAGTGAAGTATTTATATTTGAGAGATCTGTTATTTGCTTTATTTACAT 60
DB 1 TATCAGTGAAGTATTTATATTTGAGAGATCTGTTATTTGCTTTATTTACAT 60
QY 61 TTTACACATTAAGAAAGCTGAGGCTCTGAGAGTCAAGATCAGCAGCTTAAGAGCC 120
DB 61 TTTACACATTAAGAAAGCTGAGGCTCTGAGAGTCAAGATCAGCAGCTTAAGAGCC 120
QY 121 AAGACTCTTGCTTTGAGGCTTGCCCTATTTCTGCTTTCTTTCCAAAAACACTACA 180
DB 121 AAGACTCTTGCTTTGAGGCTTGCCCTATTTCTGCTTTCTTTCCAAAAACACTACA 180
QY 181 TTTTGTGTTTGTGTTTGTGTTTGTGAGACAGGCTCTGAGGTGTCACCCAGGCTGAGT 240
DB 181 TTTTGTGTTTGTGTTTGTGTTTGTGAGACAGGCTCTGAGGTGTCACCCAGGCTGAGT 240
QY 241 GCAGTGGCGCGATTGCTGACTACCCGCACTCCGCTCCGCTTAAGGATTTCTCTGC 300
DB 241 GCAGTGGCGCGATTGCTGACTACCCGCACTCCGCTCCGCTTAAGGATTTCTCTGC 300
QY 301 CTCAGCTCCCAAGTACGCTGGAAGTCAAGCTCGGAGACACAGTAAATGATCAAGTT 360
DB 301 CTCAGCTCCCAAGTACGCTGGAAGTCAAGCTCGGAGACACAGTAAATGATCAAGTT 360
QY 361 CTAACTGATGATCATGCAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 420
DB 361 CTAACTGATGATCATGCAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 420
QY 421 CTCATATCAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 480
DB 421 CTCATATCAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 480
QY 481 AAGCTCTGAGGAGCTGAGCT 500
DB 481 AAGCTCTGAGGAGCTGAGCT 500
```

## RESULT 2

US-09-210-748A-3

Sequence 3, Application US/09210748A

Patent No. 6335156

GENERAL INFORMATION:

APPLICANT: Hermeking, Heiko

APPLICANT: Vogelstein, Bert

APPLICANT: Kinzler, Kenneth

TITLE OF INVENTION: 14-3-3 SIGMA ARREST THE CELL CYCLE

FILE REFERENCE: 1107.77810

CURRENT APPLICATION NUMBER: US/09/210,748A

CURRENT FILING DATE: 1998-12-15

PRIOR APPLICATION NUMBER: 60/069,416

PRIOR FILING DATE: 1997-12-18

NUMBER OF SEQ ID NOS: 18

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 3

LENGTH: 7680

TYPE: DNA

ORGANISM: Homo sapiens

US-09-210-748A-3

Query Match 24.1%; Score 120.4; DB 4; Length 7680;

Best Local Similarity 74.3%; Pred. No. 1.2e-24;

Matches 155; Conservative 0; Mismatches 56; Indels 1; Gaps 1;

```
QY 124 ACTCTGCTTTAGAGCTGTCTCTATTTCTGCTTTCTTTCCAAAAACACTACAATT 183
DB 5886 AGCTGATTCACAAAGATACAGTCTATTTCTGATTCATAGACAAACATATATTCAC 5945
```

```
QY 184 TTTGTTGTTGTTGTTGTTGTTGTTGAGACAGGCTCTGAGGTGTCACCCAGGCTGAGTGA 243
DB 5946 TTTTGTGTTGTTGTTGTTGTTGTTGAGACGAGTCTGCTGTCACCCAGGCTGAGTGA 6005
```

```
QY 244 GTGGGGCATTTTCAGTCAACCGCACTCCGCTTCCGCTTAAGGATTTCTGCTGCT 302
DB 6006 GTGGGGCATTTTCAGTCAACCGCACTCCGCTTCCGCTTCCGCTTAAGGATTTCTGCTGCT 6065
```

```
QY 303 CAGCTCCCAAGTACGTGGGACTACACAGCTCGGAGACACAGC 344
DB 6066 CAGCTCCCGAGTACGTGGGACTACAGGATGTGCACCATG 6107
```

## RESULT 3

US-09-016-434-1325/c

Sequence 1325, Application US/09016434

Patent No. 6500938

GENERAL INFORMATION:

APPLICANT: Janice Au-Young

APPLICANT: Jeffrey J. Seilhamer

TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING

TITLE OF INVENTION: PATHWAY GENE EXPRESSION

NUMBER OF SEQUENCES: 1490

CORRESPONDENCE ADDRESS:

ADDRESS: INCYTE PHARMACEUTICALS, INC.

STREET: 3174 PORTER DRIVE

CITY: PALO ALTO

STATE: CALIFORNIA

COUNTRY: USA

ZIP: 94304

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/016,434

FILING DATE: HERewith

CLASSIFICATION:

APPLICATION DATA:

FILING DATE:

CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:

NAME: Zeller, Karen J.

REGISTRATION NUMBER: 37,071

REFERENCE/DOCKET NUMBER: PA-0002 US

TELECOMMUNICATION INFORMATION:

TELEPHONE: (650) 855-0555

TELEFAX: (650) 845-4166

INFORMATION FOR SEQ ID NO: 1325:

SEQUENCE CHARACTERISTICS:

LENGTH: 1160 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

IMMEDIATE SOURCE:

LIBRARY: GENBANK

CLONE: 9339420

US-09-016-434-1325

Query Match 23.9%; Score 119.6; DB 4; Length 1160;

Best Local Similarity 82.5%; Pred. No. 9.6e-25;

Matches 137; Conservative 0; Mismatches 29; Indels 0; Gaps 0;

```
QY 179 AATTTTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 238
DB 767 AATTTTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 708
QY 239 GTGCACTGGCGGAGTTCATCAGCCGCACTCCGCTCCGCGCTTAAGGATTTCTGCT 298
DB 707 GTGCACTGGCGGAGTTCATCAGCCGCACTCCGCTCCGCGCTTAAGGATTTCTGCT 648
```





```

? SOFTWARE: FastSeq for Windows Version 4.0
? SEQ ID NO: 3
? LENGTH: 8285
? TYPE: DNA
? ORGANISM: Human
? FEATURE:
? NAME/KEY: misc_feature
? LOCATION: (1) -- (8285)
? OTHER INFORMATION: n = A,T,C or G
US-09-732-025-3

```

Query March	23.1%	Score 115.4	DB 4	Length 8285
Best Local Similarity	74.1%	Pred. No. 3.3e-23		
Matches 146	Conservative 0	Mismatches 51	Indels 0	Gaps 0

QY	14	CTATTCTGCTTTCTTTCCAAAACACTCAATTTTGTGTGTGTGTGTG	206
Db	278	CTTTCTCTTTTTTTTGAAATCTTTTGAGCAATAGTTTGTGTGTGTGTG	337
QY	207	AGACAGGGTCTGAGGTGTACCCAGAGCTGAGTGCATGTGGCGGATTTGCATCACC	266
Db	338	AGACAGGGTCTGAGCTGTACCCAGGCTGGAGTGCATGTGGCGCATCCAGGCTCACTGC	397
QY	267	AACCTCGGCTCCGGGCTTAAGGATTTCTCCGCTCAGGCTCCCAAGTAGTGGGACTA	326
Db	398	AACCTCGGCTCCCGGCTCAAGGATCTCTTACTCAGCTCCCAAGTAGTGGGACAA	457
QY	327	CAAGCTCGGAGACACAC	343
Db	458	CAGGCTCATGTCAACAC	474

```

RESULT 8
US-09-739-455-3
; Sequence 3, Application US/09739455
; Patent No. 6413756
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL000653
; CURRENT APPLICATION NUMBER: US/09/739,455
; CURRENT FILING DATE: 2000-12-19
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: FASTSEQ For Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 11827
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(11827)
; OTHER INFORMATION: n = A,T,C or G
US-09-739-455-3

```

Query Match	23.1%	Score	115.4	DB	4	Length	11827
Best Local Similarity	74.1%	Pred. No.	3.8e-23				
Matches 146		Conservative	0	Mismatches	51	Indels	0
						Gaps	0

OY	147	CTATCTGCTCTTCTCTTCCAAAACACTACAAATTTTGTTTGGTTTGGTTG	206
Db	2129	CTTTTCCCTCTTTTGTGAAATCTTTTGGAGCAAGTAAATTTGTGTTGGTTGTTG	2188
OY	207	AGACAGGGCTTCGAGGTGTCAACCCAGGCTGAGTGCAGTCATTTGCACTACCGC	266
Db	2189	AGACAGGGGTCTGTGCTCTGTCAACCCAGGCTGGAGTCAAGTGGCGCAATCCAGGCTCACTGC	2246
OY	267	AACTTCGCTCTCCGGCTTAAAGCAATCTCTGCTCAAGCTTCCCAAGTAACTGGGACTA	326
Db	2249	AACTCTGCTCTCCGGCTCAAGCAATCTCTCAACTCAAGCTTCCCAAGTAACTGGGACAA	2308
OY	327	CAAGCTGGGAGAACCAAC	343

Db 2309 CAGGCTCATGTCAACCAC 2325

```

RESULT 9
US-09-734-673-3
: Sequence 3, Application US/09734673
: Patent No. 6410294
: GENERAL INFORMATION:
: APPLICANT: GUEBELER, Karl et al
: TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
: TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
: TITLE OF INVENTION: THEREOF
: FILE REFERENCE: CLO01020
: CURRENT APPLICATION NUMBER: US/09/734, 673
: CURRENT FILING DATE: 2000-12-13
: NUMBER OF SEQ. ID NOS: 6
: SOFTWARE: FASTSEQ for Windows Version 4.0
: SEQ ID NO 3
: LENGTH: 38564
: TYPE: DNA
: ORGANISM: Human
: FEATURE:
: NAME/KEY: misc feature
: LOCATION: (1) _ (38564)
: OTHER INFORMATION: n = A,T,C or G
US-09-734-673-3

```

Query Match	23.0%	Score 115;	DB 4;	Length 38564;
Best Local Similarity	67.3%	Pred. No. 7.9e-23;		
Matches 177;	Conservative	0;	Mismatches 85;	Indels 1;
				Gaps 1;

[illegible]

```

RESULT 10
US-09-851-896-3
; Sequence 3, Application US/09851896
; Patent No. 6410325
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Susan M. Pfeier
; APPLICANT: Andrew T. Walt
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPASE A2, GROUP VI (CA2+-INDEPENDENT)
; TITLE OF INVENTION: EXPRESSION
; FILE REFERENCE: RTS-0220
; CURRENT APPLICATION NUMBER: US/09/851,896
; CURRENT FILING DATE: 2001-05-08
; NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 3
; LENGTH: 70000
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
US-09-851-896-3

```



```

FEATURE:
NAME/KEY: intron
LOCATION: 13800..14976
OTHER INFORMATION: /number= 10
FEATURE:
NAME/KEY: exon
LOCATION: 14977..15115
OTHER INFORMATION: /number= 11
FEATURE:
NAME/KEY: intron
LOCATION: 15116..15533
OTHER INFORMATION: /number= 11
FEATURE:
NAME/KEY: exon
LOCATION: 15534..15757
OTHER INFORMATION: /number= 12
FEATURE:
NAME/KEY: intron
LOCATION: 15758..16949
OTHER INFORMATION: /number= 12
FEATURE:
NAME/KEY: exon
LOCATION: 16950..17082
OTHER INFORMATION: /number= 13
FEATURE:
NAME/KEY: intron
LOCATION: 17083..17696
OTHER INFORMATION: /number= 13
FEATURE:
NAME/KEY: exon
LOCATION: 17697..17764
OTHER INFORMATION: /number= 14
FEATURE:
NAME/KEY: intron
LOCATION: 17765..18534
OTHER INFORMATION: /number= 14
FEATURE:
NAME/KEY: CDS
LOCATION: join(1776..1854, 2564..2621, 4076..4208,
6041..6252, 6802..6934, 7759..7856, 9444..9573
LOCATION: 10867..11081, 12481..12613, 13702..13799,
LOCATION: 14977..15115, 15534..15757, 16950..17082,
LOCATION: 17697..17741)
OTHER INFORMATION: /product= "human serum albumin"
OTHER INFORMATION: /citation= ([1])
FEATURE:
NAME/KEY: exon
LOCATION: 18535..18697
OTHER INFORMATION: /number= 15
FEATURE:
NAME/KEY: 3'UTR
LOCATION: 17742..18697
FEATURE:
NAME/KEY: 5'UTR
LOCATION: 1737..1775
PUBLICATION INFORMATION:
AUTHORS: Minghetti, P P
AUTHORS: Ruffner, D E
AUTHORS: Kuang, W-J
AUTHORS: Dennison, O E
AUTHORS: Hawkins, J W
AUTHORS: Beattie, W G
AUTHORS: Dugalczyk, A
TITLE: MOLECULAR STRUCTURE OF THE HUMAN ALBUMIN
GENE IS REVEALED BY NUCLEOTIDE SEQUENCE WITHIN
TITLE: q11-22 OF CHROMOSOME 4
JOURNAL: J. Biol. Chem.
VOLUME: 261
PAGES: 6747-6757
DATE: 1986
RELEVANT RESIDUES IN SEQ ID NO: 36: FROM 1 TO 19011
OS-08-310-356-36

```

```

Query Match      22.3%; Score 111.6; DB 1; Length 19011;
Best Local Similarity 81.6%; Pred. No. 5,6e-22;
Matches 129; Conservative 0; Mismatches 29; Indels 0; Gaps 0;

Oy      187  TTTTGTGTTGTTTGTGTTTGAAGACAGGAGTCTCGAGTGTGACCCAGGCTGTGAGTGCAGTG 246
Db      3038  TTATTTTGTGTTTGTGTTTGAAGACAGGAGTCTCGCTGTGTGCGCCAGGCTGTGAGTGCAGTG 3097

Oy      247  GCGCGATTGTGACTACCGCAACTCCGCTCCGCGCTTAAGCAATTCTCTGTGCTCAGC 306
Db      3098  GCGCAATCTCGGCTCACATGCAAACTCCGCTCCCGGGTTACAGCCATTCTCTGCTTACG 3157

Oy      307  CTCCCAAGTAGCTGGAGCTACAAAGCTCGGAGACACAGC 344
Db      3158  CTCCGAGTAGCTGGAGCTACAGGAGCGCCCGCATCAGC 3195

RESULT 12
PCT-US92-06300-1
; Sequence 1, Application PC/TUS9206300
; GENERAL INFORMATION:
; APPLICANT: Hurwitz, David R
; APPLICANT: Nathan, Margret
; APPLICANT: Shani, Moshe
; TITLE OF INVENTION: Transgenic Protein Production
; NUMBER OF SEQUENCES: 1
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Rhone-Poulenc Rorer, Inc.
; STREET: 500 Virginia Ave., Bldg. 3A
; CITY: Ft. Washington
; STATE: Pennsylvania
; COUNTRY: USA
; ZIP: 19034
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US92/06300
; FILING DATE: 19920730
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: Goodman, Rosanne
; REGISTRATION NUMBER: 52,534
; REFERENCE/DOCKET NUMBER: A0856-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (215) 962-4130
; TELEFAX: (215) 962-4107
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 19557 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; PUBLICATION INFORMATION:
; AUTHORS: Minipetli, P P
; AUTHORS: Ruffner, D E
; AUTHORS: Kuang, W.-J.
; AUTHORS: Dennison, O E
; AUTHORS: Hawkins, J W
; AUTHORS: Beattie, W G
; AUTHORS: Dugalczyk, A
; TITLE: MOLECULAR STRUCTURE OF THE HUMAN ALBUMIN GENE
; TITLE: IS REVEALED BY NUCLEOTIDE SEQUENCE WITHIN Q11-22
; JOURNAL: J. Biol. Chem.
; VOLUME: 261
; PAGES: 6747-6757
; DATE: 1986

```





GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: January 13, 2004, 22:49:52 ; Search time 182.019 Seconds  
(without alignments)  
9682.402 Million cell updates/sec

Title: US-09-434-382-28\_COPY\_1\_500  
Perfect score: 500  
Sequence: 1 tatcaggtgactgactctta.....aagctctgaggtgactgacct 500

Scoring table: IDENTITY NUC  
Gapop 10.0 , Gapext 1.0

Searched: 2324096 seqs, 1762381658 residues

Total number of hits satisfying chosen parameters: 4648192

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database :

- Published Applications NA:\*
- 1: /cgn2\_6/ptodata/1/pubpna/US07\_PUBCOMB.seq:\*
  - 2: /cgn2\_6/ptodata/1/pubpna/PCT\_NEW\_PUB.seq:\*
  - 3: /cgn2\_6/ptodata/1/pubpna/US06\_NEW\_PUB.seq:\*
  - 4: /cgn2\_6/ptodata/1/pubpna/US06\_PUBCOMB.seq:\*
  - 5: /cgn2\_6/ptodata/1/pubpna/US07\_NEW\_PUB.seq:\*
  - 6: /cgn2\_6/ptodata/1/pubpna/PCTUS\_PUBCOMB.seq:\*
  - 7: /cgn2\_6/ptodata/1/pubpna/US08\_NEW\_PUB.seq:\*
  - 8: /cgn2\_6/ptodata/1/pubpna/US08\_PUBCOMB.seq:\*
  - 9: /cgn2\_6/ptodata/1/pubpna/US09\_PUBCOMB.seq:\*
  - 10: /cgn2\_6/ptodata/1/pubpna/US09B\_PUBCOMB.seq:\*
  - 11: /cgn2\_6/ptodata/1/pubpna/US09C\_PUBCOMB.seq:\*
  - 12: /cgn2\_6/ptodata/1/pubpna/US09\_NEW\_PUB.seq:\*
  - 13: /cgn2\_6/ptodata/1/pubpna/US09\_NEW\_PUB.seq2:\*
  - 14: /cgn2\_6/ptodata/1/pubpna/US10A\_PUBCOMB.seq:\*
  - 15: /cgn2\_6/ptodata/1/pubpna/US10B\_PUBCOMB.seq:\*
  - 16: /cgn2\_6/ptodata/1/pubpna/US10\_NEW\_PUB.seq:\*
  - 17: /cgn2\_6/ptodata/1/pubpna/US60\_NEW\_PUB.seq:\*
  - 18: /cgn2\_6/ptodata/1/pubpna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	500	100.0	26664	11	US-09-988-626-28
2	500	100.0	26664	11	US-09-988-687-28
3	500	100.0	26664	11	US-09-988-686-28
4	125.4	25.1	584	13	US-10-027-632-275434
5	125.4	25.1	584	13	US-10-027-632-275434
6	121.8	24.4	650	14	US-10-027-632-191961
7	121.8	24.4	650	14	US-10-027-632-191961
8	120.4	24.1	7680	10	US-09-939-581A-3
9	120.4	24.1	10034	13	US-10-059-579-102
10	120	24.0	1503841	9	US-09-795-686-1
11	120	24.0	1503841	9	US-09-795-686-1
12	120	24.0	1503841	10	US-09-946-807-1
13	119.8	24.0	4045	11	US-09-764-891-8718
14	119.8	24.0	4045	11	US-09-764-891-8719
15	119.6	23.9	1160	8	US-08-927-939-78

16	119.6	23.9	1160	10	US-09-954-531-146	Sequence 146, App
17	119.6	23.9	1160	13	US-09-873-319-416	Sequence 416, App
18	119.6	23.9	1160	13	US-09-960-706-668	Sequence 668, App
19	119	23.8	478	13	US-10-027-632-289949	Sequence 289949, App
20	119	23.8	478	14	US-10-027-632-289949	Sequence 289949, App
21	118.8	23.8	73467	15	US-10-237-859-3	Sequence 3, Appl1
22	118.6	23.7	1598	12	US-10-108-260A-2105	Sequence 2105, App
23	118.4	23.7	17752	9	US-09-748-127-3	Sequence 3, Appl1
24	118.4	23.7	465237	10	US-09-933-267A-1	Sequence 1, Appl1
25	118.2	23.6	5159	10	US-09-764-877-3707	Sequence 3707, App
26	118.2	23.6	5441	12	US-10-242-355-701	Sequence 701, App
27	118.2	23.6	6834	11	US-09-764-891-8002	Sequence 8002, App
28	118.2	23.6	6834	15	US-10-091-438-263	Sequence 263, App
29	118	23.6	1115	11	US-09-764-872-943	Sequence 943, App
30	118	23.6	1115	11	US-09-764-872-944	Sequence 944, App
31	118	23.6	113585	12	US-10-188-470-12	Sequence 12, Appl
32	117.6	23.5	6186	9	US-09-764-860-1075	Sequence 1075, App
33	117.6	23.5	6186	13	US-10-212-872-1075	Sequence 1075, App
34	117.6	23.5	6186	15	US-10-074-095-1075	Sequence 1075, App
35	117.2	23.4	433	9	US-09-795-668-1404	Sequence 1404, App
36	117.2	23.4	433	9	US-09-795-668-1404	Sequence 1404, App
37	117.2	23.4	433	10	US-09-946-807-1404	Sequence 1404, App
38	117	23.4	54000	13	US-09-843-377-11	Sequence 11, Appl
39	116.8	23.4	2295	11	US-09-764-891-7825	Sequence 7825, App
40	116.4	23.3	5426	9	US-09-798-029-7	Sequence 7, Appl1
41	116.2	23.2	136328	13	US-10-101-510-127	Sequence 127, App
42	116	23.2	6191	9	US-09-764-860-1076	Sequence 1076, App
43	116	23.2	6191	9	US-09-764-860-1076	Sequence 1076, App
44	116	23.2	6191	13	US-10-212-872-1076	Sequence 1076, App
45	116	23.2	6191	13	US-10-212-872-1077	Sequence 1077, App

ALIGNMENTS

RESULT 1  
US-09-988-626-28  
Sequence 28, Application US/09988626  
Publication No. US20030044959A1  
GENERAL INFORMATION:  
APPLICANT: Tavistigian, Sean V.  
APPLICANT: Teng, David H.F.  
APPLICANT: Simard, Jacques  
APPLICANT: Rommens, Johanna M.  
TITLE OF INVENTION: Myriad Genetics, Inc.  
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
FILE REFERENCE: 2318-258  
CURRENT APPLICATION NUMBER: US/09/988, 626  
PRIOR FILING DATE: 2001-11-20  
PRIOR APPLICATION NUMBER: 09/564, 805  
PRIOR FILING DATE: 2000-05-05  
PRIOR APPLICATION NUMBER: US 60/107, 468  
PRIOR FILING DATE: 1998-11-06  
PRIOR APPLICATION NUMBER: 09/434, 382  
PRIOR FILING DATE: 1999-11-05  
NUMBER OF SEQ ID NOS: 240  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 28  
LENGTH: 26664  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: misc.feature  
LOCATION: (910)..(13104)  
OTHER INFORMATION: exon 1: 910-1154; exon 2: 1736-1786; exon 3: 3025-3089; exon 4: 3025-3089; exon 5: 4361-4418;  
OTHER INFORMATION: exon 6: 5582-5550; exon 7: 7075-7184; exon 8:  
OTHER INFORMATION: 8186-8244; exon 9: 12878-12936; exon 10:  
NAME/KEY: misc.feature  
LOCATION: (13756)..(22917)  
OTHER INFORMATION: exon 11: 13756-13668; exon 12: 15283-15378; exon

```

OTHER INFORMATION: 13: 16278-16415; exon 14: 16498-16583; exon 15:
OTHER INFORMATION: 16583-18701; exon 16: 20349-20455; exon 17:
OTHER INFORMATION: 22172-22310; exon 18: 22879-22917
NAME/KEY: misc feature
LOCATION: (23045)..(26452)
OTHER INFORMATION: exon 19: 23045-23154; exon 20: 23795-23895; exon
OTHER INFORMATION: 21: 23973-24093; exon 22: 24354-24433; exon 23:
OTHER INFORMATION: 25026-25170; exon 24: 25812-26036; polyadenylation
OTHER INFORMATION: signal: 26447-26452
NAME/KEY: variation
LOCATION: (826)..(23879)
OTHER INFORMATION: s at positions 826 and 23180 is G or C; y at
OTHER INFORMATION: positions 1914, 5568, 7165, 16331, 1857 and 20486
OTHER INFORMATION: is C or T; n at position 13128 is t or tgaat; r at
OTHER INFORMATION: positions 22211 and 23879 is A or G.
US-09-986-626-28

```

Query March	100.0%	Score 500	DB 11	Length 26664
Best Local Similarity	100.0%	Pred. No. 9	4e-132	
Matches 500	Conservative 0	Mismatches 0	Indels 0	Gaps 0

Qy	TATGAGGAGCATGATTTCTATATTCGAAGTGGAGAACTCTGTATTTGGCTTATTAACAT	60
Db	TATCAGGTGACTGAATTTCTATATTTCTGAAGTGGAGATCTGTATTCGTTTATTACAT	60
Qy	TTTACACATTAAGAAAGCTGAGGCTCTGAGAGGTCAGATACGCGAGCTAACAAATGAGCC	120
Db	TTTACACATTAAGAAAGCTGAGGCTCTGAGAGGTCAGATACGCGAGCTAACAAATGAGCC	120
Qy	AAGACTCTTGCTTTAGCTTGCTGCTGCTCTATCTCTGCTTTCTTTCCAAAAACACTACAA	180
Db	AAGACTCTTGCTTTAGCTTGCTGCTGCTCTATCTCTGCTTTCTTTCCAAAAACACTACAA	180
Qy	TTTTTGTGTTTTGTTTTGTTTTGTTTGAACAAGGGTCTCGAGGTGTCAACCAGGCTGAGGT	240
Db	TTTTTGTGTTTTGTTTTGTTTTGTTTGAACAAGGGTCTCGAGGTGTCAACCAGGCTGAGGT	240
Qy	GCAGTGGGGCCATTTCGACTCAACCGCAACCTCGCTCCGGCGTTAAAGGATTTCTCCTGC	300
Db	GCAGTGGGGCCATTTCGACTCAACCGCAACCTCGCTCCGGCGTTAAAGGATTTCTCCTGC	300
Qy	CTCAGCTCTCCCAAGTAGCTGGAGCTACAAGCTCGGAGACACAAGTAAAAATGATCAAGTT	360
Db	CTCAGCTCTCCCAAGTAGCTGGAGCTACAAGCTCGGAGACACAAGTAAAAATGATCAAGTT	360
Qy	CTAATATGTATGCAATACGAATTTACAAATGGAATTAATAAAGCGCTTAAGCTAATG	420
Db	CTAATATGTATGCAATACGAATTTACAAATGGAATTAATAAAGCGCTTAAGCTAATG	420
Qy	CTCAATACAAATGATTTCTCTCACTTTAATTCCTCAACAACACTACACCACTCTAATC	480
Db	CTCAATACAAATGATTTCTCTCACTTTAATTCCTCAACAACCACTACCAACCTCTAATC	480
Qy	AAGCTCTGAGGAGCTGACGT	500
Db	AAGCTCTGAGGAGCTGACGT	500

RESULT 2  
 US-09-988-687-28  
 Sequence 28, Application US/09988687  
 Publication No. US2003045704A1  
 GENERAL INFORMATION:  
 APPLICANT: Tavligian, Sean V.  
 APPLICANT: Teng, David H.F.  
 APPLICANT: Simard, Jacques  
 APPLICANT: Kommens, Johanna M.  
 APPLICANT: Myriad Genetics, Inc.  
 TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
 TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes  
 FILE REFERENCE: 2318-258  
 CURRENT APPLICATION NUMBER: US/09/988,687  
 CURRENT FILING DATE: 2001-11-20

```

PRIORITY APPLICATION NUMBER: 09/564,805
PRIORITY FILING DATE: 2000-05-05
PRIORITY APPLICATION NUMBER: US 60/107,468
PRIORITY FILING DATE: 1998-11-06
PRIORITY APPLICATION NUMBER: 09/434,382
PRIORITY FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 28
LENGTH: 26664
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (910)..(13104)
OTHER INFORMATION: exon 1: 910-1154; exon 2: 1736-1786; exon 3:
OTHER INFORMATION: 1925-1995; exon 4: 3025-3089; exon 5: 4361-4418;
OTHER INFORMATION: exon 6: 5582-5650; exon 7: 7075-7194; exon 8:
OTHER INFORMATION: 8186-8244; exon 9: 12878-12936; exon 10:
OTHER INFORMATION: 13032-13104;
NAME/KEY: misc_feature
LOCATION: (13756)..(22917)
OTHER INFORMATION: exon 11: 13756-13868; exon 12: 15283-15378; exon
OTHER INFORMATION: 13: 16278-16416; exon 14: 16498-16583; exon 15:
OTHER INFORMATION: 18583-18701; exon 16: 20349-20445; exon 17:
OTHER INFORMATION: 22172-22310; exon 18: 22879-22917
NAME/KEY: misc_feature
LOCATION: (23045)..(26452)
OTHER INFORMATION: exon 19: 23045-23154; exon 20: 23795-23895; exon
OTHER INFORMATION: 21: 23973-24093; exon 22: 24354-24432; exon 23:
OTHER INFORMATION: 25026-25170; exon 24: 25812-26036; polyadenylation
OTHER INFORMATION: signal: 26447-26452
NAME/KEY: variation
LOCATION: (826)..(23879)
OTHER INFORMATION: s at positions 826 and 23180 is G or C; y at
OTHER INFORMATION: positions 1914, 5568, 7165, 16431, 1857 and 20486
OTHER INFORMATION: is C or T; n at position 13128 is c or tgat; r at
OTHER INFORMATION: positions 22211 and 23879 is A or G.

```

Query Match	Similarity	Score	DB	Length
Best Local	100.0%	500	9,4e-132	26564
Matches	500	Conservative	0	Mismatches
			0	Indels
			0	Gaps
QY	1	TATCAGGTGACTGAATTCCTATATATTCCTGAAGTAGAGATATCTGTTATTCCTGTTATTAACAT	60	
Db	1	TATCAGGTGACTGAATTCCTATATATTCCTGAAGTAGAGATATCTGTTATTCCTGTTATTAACAT	60	
QY	61	TTTACACATTAAGAAAGCTGAGAGCTCTGAGAGSTCAAGTCAACGCGCTTAACAAATGAGGC	120	
Db	61	TTTACACATTAAGAAAGCTGAGAGCTCTGAGAGSTCAAGTCAACGCGCTTAACAAATGAGGC	120	
QY	121	AAGACTCTTGCTTTAGAGCTTGTCCTCTATTCCTGCTTTCTTTCCAAAAACACTACAA	180	
Db	121	AAGACTCTTGCTTTAGAGCTTGTCCTCTATTCCTGCTTTCTTTCCAAAAACACTACAA	180	
QY	181	TTTTTGTTTTTTTGTGTTTTGTTTTGAGACAGGGCTGAGAGTGCACCCAGGCTGAGT	240	
Db	181	TTTTTGTTTTTTTGTGTTTTGTTTTGAGACAGGGCTGAGAGTGCACCCAGGCTGAGT	240	
QY	241	GCAGTGGCGCAGATTTCGACTCAGCGCAACCTCCGCTCCGCGCTTAAGCGATTCTTCCTGC	300	
Db	241	GCAGTGGCGCAGATTTCGACTCAGCGCAACCTCCGCTCCGCGCTTAAGCGATTCTTCCTGC	300	
QY	301	CTCAGCCTCCCAAGTAGCTGGGACATCAAGCTCGGGACACACGTAAATAATGATCAAGTT	360	
Db	301	CTCAGCCTCCCAAGTAGCTGGGACATCAAGCTCGGGACACACGTAAATAATGATCAAGTT	360	
QY	361	CTAACATGTATGACATACCAATTACCAATGGAATAAAATTAGCAAGCGCTTATGCTAATG	420	
Db	361	CTAACATGTATGACATACCAATTACCAATGGAATAAAATTAGCAAGCGCTTATGCTAATG	420	
QY	421	CTCAATACAAATTGATTCTCTCAGATTATCTCTCAACACACTACACCACTCTAACCTC	480	



Db 421 CTCAATCAATGATTTCCTCAATTTATCTCAACCACTCAACACCTTAACT 480  
OY 481 AAGCTGAGGAGCTGACGT 500  
Db 481 AAGCTGAGGAGCTGACGT 500

## RESULT 3

US-09-988-686-28

; Sequence 28, Application US/09988686  
; Publication No. US20030120052A1  
; GENERAL INFORMATION:  
; APPLICANT: Tavligian, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
; FILE REFERENCE: 2318-258  
; CURRENT APPLICATION NUMBER: US/09/988,686  
; CURRENT FILING DATE: 2001-11-20  
; PRIOR APPLICATION NUMBER: 09/564,805  
; PRIOR FILING DATE: 2000-05-05  
; PRIOR APPLICATION NUMBER: US 60/107,468  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR APPLICATION NUMBER: 09/434,382  
; PRIOR FILING DATE: 1999-11-05  
; NUMBER OF SEQ ID NOS: 240  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 28  
; LENGTH: 26664  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (910)..(13104)  
; OTHER INFORMATION: exon 1: 910-1154; exon 2: 1736-1786; exon 3:  
; OTHER INFORMATION: 1925-1995; exon 4: 3025-3089; exon 5: 4361-4418;  
; OTHER INFORMATION: exon 6: 5582-5650; exon 7: 7075-7194; exon 8:  
; OTHER INFORMATION: 8186-8244; exon 9: 12878-12936; exon 10:  
; NAME/KEY: misc feature  
; LOCATION: (13756)..(22917)  
; OTHER INFORMATION: exon 11: 13756-13868; exon 12: 15283-15378; exon  
; OTHER INFORMATION: 13: 16278-16416; exon 14: 16498-16583; exon 15:  
; OTHER INFORMATION: 18583-18701; exon 16: 20349-20445; exon 17:  
; OTHER INFORMATION: 22172-22310; exon 18: 22879-22917  
; NAME/KEY: misc feature  
; LOCATION: (23045)..(26452)  
; OTHER INFORMATION: exon 19: 23045-23154; exon 20: 23795-23895; exon  
; OTHER INFORMATION: 21: 23973-24093; exon 22: 24354-24432; exon 23:  
; OTHER INFORMATION: 25026-25170; exon 24: 25812-26036; polyadenylation  
; OTHER INFORMATION: signal: 26447-26452  
; NAME/KEY: variation  
; LOCATION: (826)..(23879)  
; OTHER INFORMATION: s at positions 826 and 23180 is G or C; y at  
; OTHER INFORMATION: positions 1914, 5568, 7165, 16431, 1857 and 20486  
; OTHER INFORMATION: is C or T; n at position 13128 is t or tgat; r at  
; OTHER INFORMATION: positions 22211 and 23879 is A or G.  
US-09-988-686-28

Query Match 100.0%; Score 500; DB 11; Length 26664;  
Best Local Similarity 100.0%; Pred. No. 9.4e-132;  
Matches 500; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 TATCAGTGAGCTGATTTCTATATCTGAAGTAGAGATCTGTTATGCTTATTACAT 60  
Db 1 TATCAGTGAGCTGATTTCTATATCTGAAGTAGAGATCTGTTATGCTTATTACAT 60  
OY 61 TTTCACATTAAGAAAGCTGAGGCTCTGAGAGGTCAAGATCAAGCAGCTAAACAATGAGCC 120

Db 61 TTTCACATTAAGAAAGCTGAGGCTCTGAGAGGTCAAGATCAAGCAGCTAAACAATGAGCC 120  
OY 121 AAGACTCTGCTTTAGAGCTTGCTCTATTTCTTTTCCAAAAAAGCTACAA 180  
Db 121 AAGACTCTGCTTTAGAGCTTGCTCTATTTCTTTTCCAAAAAAGCTACAA 180  
OY 181 TTTTGTGTTTGTGTTTGTGTTTGTGTTGAGACAGGGTCTCGAGGTGTACCCAGGCTGAGGT 240  
Db 181 TTTTGTGTTTGTGTTTGTGTTTGTGTTGAGACAGGGTCTCGAGGTGTACCCAGGCTGAGGT 240  
OY 241 GCAGTGGCGGATTTTCAGCTCAGCCGCAACCTCCGCTCCGGCTTAAAGCATTCCTCCGC 300  
Db 241 GCAGTGGCGGATTTTCAGCTCAGCCGCAACCTCCGCTCCGGCTTAAAGCATTCCTCCGC 300  
OY 301 CTCAGCCTCCCAAGTAGCTGGGAGCTACAGCTCGGGACACACGATTAATGATCAAGTT 360  
Db 301 CTCAGCCTCCCAAGTAGCTGGGAGCTACAGCTCGGGACACACGATTAATGATCAAGTT 360  
OY 361 CTAACTGTATGATGCAATTCAGATTAACATGAAATAAATTAGCAAGCGCTTATGCTAATG 420  
Db 361 CTAACTGTATGATGCAATTCAGATTAACATGAAATAAATTAGCAAGCGCTTATGCTAATG 420  
OY 421 CTCAATCAATGATTTCCTCAATTTATCTCAACCACTCAACACCTTAACT 480  
Db 421 CTCAATCAATGATTTCCTCAATTTATCTCAACCACTCAACACCTTAACT 480  
OY 481 AAGCTGAGGAGCTGACGT 500  
Db 481 AAGCTGAGGAGCTGACGT 500

## RESULT 4

US-10-027-632-275434/c

; Sequence 275434, Application US/10027632  
; Publication No. US20030204075A9  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide  
; FILE REFERENCE: 108827.129  
; CURRENT APPLICATION NUMBER: US/10/027,632  
; CURRENT FILING DATE: 2002-04-30  
; PRIOR APPLICATION NUMBER: US 60/218,006  
; PRIOR FILING DATE: 2000-07-12  
; PRIOR APPLICATION NUMBER: US 60/198,676  
; PRIOR FILING DATE: 2000-04-20  
; PRIOR APPLICATION NUMBER: US 60/193,483  
; PRIOR FILING DATE: 2000-03-29  
; PRIOR APPLICATION NUMBER: US 60/185,218  
; PRIOR FILING DATE: 2000-02-24  
; PRIOR APPLICATION NUMBER: US 60/167,363  
; PRIOR FILING DATE: 1999-11-23  
; PRIOR APPLICATION NUMBER: US 60/156,358  
; PRIOR FILING DATE: 1999-09-28  
; PRIOR APPLICATION NUMBER: US 60/146,002  
; PRIOR FILING DATE: 1999-08-09  
; NUMBER OF SEQ ID NOS: 325720  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 275434  
; LENGTH: 584  
; TYPE: DNA  
; ORGANISM: Human  
US-10-027-632-275434

Query Match 25.1%; Score 125.4; DB 13; Length 584;  
Best Local Similarity 81.4%; Pred. No. 1.7e-25;  
Matches 144; Conservative 1; Mismatches 32; Indels 0; Gaps 0;

OY 178 CAATTTGTTGTTGTTGTTGTTGTTGTTGAGACAGGGGTGAGGTTGACCCAGGCTGG 237  
Db 426 CAATTTGTTGTTGTTGTTGTTGTTGTTGAGACAGGGGTGAGGTTGACCCAGGCTGG 367  
OY 238 AGTGACGTGGCGGATTTGAGATCAAGCAACCTCCGCTCCGCTTAAAGGATTTCC 297

[illegible]

RESULT 5  
US-10-027-632-275434/c  
; Sequence 275434, Application US/10027632

```

1 TITLE OR INVENTION: Identification and Mapping of Single Nucleotide
2 TITLE OF INVENTION: Polymorphisms in the Human Genome
3 FILE REFERENCE: 108827.129
4 CURRENT APPLICATION NUMBER: US/10/027,632
5 CURRENT FILING DATE: 2002-04-30
6 PRIOR APPLICATION NUMBER: US 60/218,006
7 PRIOR FILING DATE: 2000-07-12
8 PRIOR APPLICATION NUMBER: US 60/198,676
9 PRIOR FILING DATE: 2000-04-20
10 PRIOR APPLICATION NUMBER: US 60/193,483
11 PRIOR FILING DATE: 2000-03-29
12 PRIOR APPLICATION NUMBER: US 60/185,218
13 PRIOR FILING DATE: 2000-02-24
14 PRIOR APPLICATION NUMBER: US 60/167,363
15 PRIOR FILING DATE: 1999-11-23
16 PRIOR APPLICATION NUMBER: US 60/156,358
17 PRIOR FILING DATE: 1999-09-28
18 PRIOR APPLICATION NUMBER: US 60/146,002
19 PRIOR FILING DATE: 1999-08-09
20 NUMBER OF SEQ ID NOS: 325720
21 SOFTWARE: fastseq for windows Version 4.0
22 SEQ ID NO 275434
23 LENGTH: 584
24 TYPE: DNA
25 ORGANISM: Human
26 US-10-027-632-275434

```

	Query Match	25.1%	Score 125.4	DB 14	Length 584
	Best Local Similarity	81.4%	Pred. No. 1.7e-25		
	Matches 144	Conservative 1	Mismatches 32	Indels 0	Gaps 0
Oy	178 CAATTTGTTTGTGTTTGTGTTGAGACAGAGTCTGAGGTGTACCCAGGCTGG				237
Db	426 CAAATTGTTTTTTCTTTTTTTGTTTGAAGACAAAGTCTGCTGTACCCAGGCTGG				367
Oy	238 AGTGCAGTGGCGCGATTTGCACTACCGCAACTTCGCTTCGGGCTTAAGGATTCTCC				297
Db	366 AGTACAGTGGCAAGATCTCGGCTCACTCAAGCTCCGGCTCCCAAGTTTCAAGCATTTCTCC				307
Oy	288 TGGCTCAACCTCCCAAGTACGTGGGACATCAAGGTCGGGACCAACGTAATAATAT				354
Db	306 TGCCCAACCTCCCAAGTACGTGGGACATCAAGGTCGGGACCAACGTAATAATAT				250

```

RESULT 6
US-10-027-632-191961/c
/ Sequence 191961, Application US/10027632
/ Publication No. US20030204075A9
/ GENERAL INFORMATION:
/ APPLICANT: Wang, David G.
/ TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
/ POLYMORPHISMS IN THE HUMAN GENOME
/ FILE REFERENCE: 108427.129
/ CURRENT APPLICATION NUMBER: US/10/027,632
/ CURRENT FILING DATE: 2002-04-30
/ PRIOR APPLICATION NUMBER: US 60/218,006
/ PRIOR FILING DATE: 2000-07-12
/ PRIOR APPLICATION NUMBER: US 60/198,676
/ PRIOR FILING DATE: 2000-04-20
/ PRIOR APPLICATION NUMBER: US 60/193,483

```

```

; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 191961
; LENGTH: 650
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-191961

```

Query Match	24.4%	Score 121.8	DB 13	Length 650
Best Local Similarity	76.3%	Pred. No. 1.9e-24		
Matches 161, Conservative	1	Mismatches 48	Indels 1	Gaps 1

Qy	145	CTCTATCTTCGGCTTTTCTTCCAAAAAACATACATATTTTGTTTGTTTGTTT	204
Db	527	CTCTCTTCTCGAGCAATGACCAAGTAGTTTTTATTTTATTTTGTTTGTTT	468
Qy	205	TGAGACAGGAGTCTCGAGGTGTCACCCAGGCTGGAGTGCAGTGGCGCATTTGCATCACC	264
Db	467	TGAGATGGAGGTCTCACTGTCTCACCAGGCTGGAGTGCAGTGGCACCATCTYAGCTCACT	408
Qy	265	GCAACTCCGCTCCGCGCTT-AAAGCATTTCTCTGCTCAAGCTTCCCAAGTAGCTGGGA	323
Db	407	GCAACTCCACCTCCCAAGGTTCMAAGCATTTCTCTGCTCAAGCTTCCCGAGTAGCTGGGA	348
Qy	324	CTACAGAGCTCGGGACACGCACTAAATAATGAT	354
Db	347	CTACAGAGTGTGCGCACACGCGGCACTGAT	317

```

RESULT 7
; US-10-027-632-191961/c
; Sequence 191961, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Mang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 191961
; LENGTH: 650
; TYPE: DNA
; ORGANISM: Human
; US-10-027-632-191961

```

Query Match	24.4%	Score 121.8	DB 14	Length 650
Best local Similarity	76.3%	Pred. No. 1.9e-24		
Matches 161	Conservative	1	Mismatches 46	Indels 1
				Gaps 1

```
QY 145 CTGTAATCTGCTTTCTTTCCAAAAACACTACAATTTTGTGTTTGTGTTT 204
Db 527 CTCCTCTTGAGACATGATACCAAGTAGTATTTTATTTTATTTTGTGTTT 468
QY 205 TGAACAGAGGTCTCGAGGTGTACCCAGCTGAGTGTGACGCGGATTCGATCACC 264
Db 467 TGAAGATGAGTCTCACTGTACACCCAGCTGAGTGTGACGCACTTATGCTCACT 408
QY 265 GCAACCTCGGCTCGGCGCTT-AAGCGATTCCTGCGCTCGGCTCGGCAAGTGTGGA 323
Db 407 GCAACCTCGGCTCGGCGCTT-AAGCGATTCCTGCGCTCGGCTCGGCAAGTGTGGA 348
QY 324 CTACAGCTCGGAGACACCACTGTAATAATGAT 354
Db 347 CTACAGCTCGGAGACACCACTGTAATAATGAT 317
```

## RESULT 8

```
US-09-939-581A-3
; Sequence 3, Application US/09939581A
; Patent No. US2002010245A1
; GENERAL INFORMATION:
; APPLICANT: Hermeking, Heiko
; APPLICANT: Vogelstein, Bert
; APPLICANT: Kinzler, Kenneth
; TITLE OF INVENTION: 14-3-3 SIGMA ARREST THE CELL CYCLE
; FILE REFERENCE: 1107.77810
; CURRENT FILING DATE: 2001-08-28
; PRIOR FILING DATE: 1998-12-15
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 3
; LENGTH: 7680
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-939-581A-3
```

```
Query Match 24.1%; Score 120.4; DB 10; Length 7680;
Best Local Similarity 74.3%; Pred. No. 1.9e-23;
Matches 165; Conservative 0; Mismatches 56; Indels 1; Gaps 1;

QY 124 ACTCTGCTTAGAGCTTGTCTCTATTCCTTTCTTTCCAAAAACACTACAATT 183
Db 5886 AGCTGATTCACAAAGATCTAGTCTATCTGATCTCATAGCAACAATATATTCAC 5945
QY 184 TTGTTTGTGTTTGTGTTTGTGAGACAGAGGTCTCGAGGTGTACCCAGGCTGAGTGA 243
Db 5946 TTTTGTGTTGTTTGTGTTTGTGAGACAGAGGTCTCTGTGTACCCAGGCTGAGTGA 6005
QY 244 GTGGCGCATTTGCACTACCGCAACTCCGCTT-CCGCGCTTAAAGCATTCCTGCT 302
Db 6006 GTGGCGCATCTCGGCTACTGCAACGTCCTCCGCGTTCAAGCATTCCTGCT 6065
QY 303 CAGCTCCCAAGTAGCTGGAGTACAGTGTGGGACACAG 344
Db 6066 CAGCTCCCAAGTAGCTGGAGTACAGGATGTGCACCATG 6107
```

## RESULT 9

```
US-10-059-579-102
; Sequence 102, Application US/10059579
; Publication No. US20030138783A1
; GENERAL INFORMATION:
; APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE
; APPLICANT: SUKUMAR, Saraswati
; APPLICANT: EVRON, Ella
; APPLICANT: DOOLEY, William C.
; APPLICANT: DAVIDSON, Nancy
; APPLICANT: FACKLER, Mary Jo.
; TITLE OF INVENTION: ABBERRANTLY METHYLATED GENES AS MARKERS OF BREAST MALIGNANCY
```

```
; FILE REFERENCE: JHU1630-1
; CURRENT APPLICATION NUMBER: US/10/059,579
; CURRENT FILING DATE: 2003-02-03
; PRIOR APPLICATION NUMBER: US 09/771,357
; PRIOR FILING DATE: 2001-01-26
; NUMBER OF SEQ ID NOS: 136
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 102
; LENGTH: 10034
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-059-579-102
```

```
Query Match 24.1%; Score 120.4; DB 13; Length 10034;
Best Local Similarity 74.3%; Pred. No. 2.2e-23;
Matches 165; Conservative 0; Mismatches 56; Indels 1; Gaps 1;

QY 124 ACTCTGCTTAGAGCTTGTCTCTATTCCTTTCTTTCCAAAAACACTACAATT 183
Db 5886 AGCTGATTCACAAAGATCTAGTCTATCTGATCTCATAGCAACAATATATTCAC 5945
QY 184 TTGTTTGTGTTTGTGTTTGTGAGACAGAGGTCTCGAGGTGTACCCAGGCTGAGTGA 243
Db 5946 TTTTGTGTTGTTTGTGTTTGTGAGACAGAGGTCTCTGTGTACCCAGGCTGAGTGA 6005
QY 244 GTGGCGCATTTGCACTACCGCAACTCCGCTT-CCGCGCTTAAAGCATTCCTGCT 302
Db 6006 GTGGCGCATCTCGGCTACTGCAACGTCCTCCGCGTTCAAGCATTCCTGCT 6065
QY 303 CAGCTCCCAAGTAGCTGGAGTACAGTGTGGGACACAG 344
Db 6066 CAGCTCCCAAGTAGCTGGAGTACAGGATGTGCACCATG 6107
```

## RESULT 10

```
US-09-795-668-1
; Sequence 1, Application US/09795668
; Patent No. US2002004577A1
; GENERAL INFORMATION:
; APPLICANT: Stefanson, Hreinn
; APPLICANT: Steinhofredottir, Valgerdur
; APPLICANT: Guiche, Jeffrey R.
; TITLE OF INVENTION: HUMAN SCHIZOPHRENIA GENE
; FILE REFERENCE: 2345.2004-001
; CURRENT FILING DATE: 2001-02-28
; PRIOR FILING DATE: 2000-02-28
; NUMBER OF SEQ ID NOS: 1531
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1503841
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1) ... (1531)
; OTHER INFORMATION: r-g or a
; NAME/KEY: misc_feature
; LOCATION: (1) ... (1531)
; OTHER INFORMATION: y=t/u or c
; NAME/KEY: misc_feature
; LOCATION: (1) ... (1531)
; OTHER INFORMATION: m=a or c
; NAME/KEY: misc_feature
; LOCATION: (1) ... (1531)
; OTHER INFORMATION: k=g or t/u
; NAME/KEY: misc_feature
; LOCATION: (1) ... (1531)
; OTHER INFORMATION: s=g or c
; NAME/KEY: misc_feature
; LOCATION: (1) ... (1531)
; OTHER INFORMATION: w=a or t/u
```

[illegible]



LOCATION: (27) ... (299)  
US-08-927-939-78

Query Match 23.9%; Score 119.6; DB 8; Length 1160;  
Best Local Similarity 82.5%; Pred. No. 1.1e-23;  
Matches 137; Conservative 0; Mismatches 29; Indels 0; Gaps 0;

QY	179	AAATTTGTTTGTGTTTGTGTTGTTGAGACAGGCTCGAGTGTACACCGGCTGGA	238
DB	767	ATTTTGTGTTTGTGTTTGTGTTGAGACGAGTCTGCTGTGTGCGCCAGGCTGGA	708
QY	239	GTGCAGTGGCGGATTTGCACTCACCGCAACTCCGCTCCGGCTTAAGCAATTCTCT	298
DB	707	GTGCAGTGGCGGATCTCGGCTCTACGCAAGCTCCGCTCCGGGTTCAAGCAATTCTCT	648
QY	299	GCCTCAGCTCCCAAGTACCTGGGACTACAAAGTCCGGACACCAAG	344
DB	647	GCCTCAGCTCCCAAGTACCTGGGACTACAAAGTCCGGACACCAAG	602

Search completed: January 14, 2004, 07:37:43  
Job time : 199.019 secs

201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1041 1042 1043 1044 1045 1046 1047 1048 1049 1050 1051 1052 1053 1054 1055 1056 1057 1058 1059 1060 1061 1062 1063 1064 1065 1066 1067 1068 1069 1070 1071 1072 1073 1074 1075 1076 1077 1078 1079 1080 1081 1082 1083 1084 1085 1086 1087 1088 1089 1090 1091 1092 1093 1094 1095 1096 1097 1098 1099 1100 1101 1102 1103 1104 1105 1106 1107 1108 1109 1110 1111 1112 1113 1114 1115 1116 1117 1118 1119 1120 1121 1122 1123 1124 1125 1126 1127 1128 1129 1130 1131 1132 1133 1134 1135 1136 1137 1138 1139 1140 1141 1142 1143 1144 1145 1146 1147 1148 1149 1150 1151 1152 1153 1154 1155 1156 1157 1158 1159 1160 1161 1162 1163 1164 1165 1166 1167 1168 1169 1170 1171 1172 1173 1174 1175 1176 1177 1178 117

QY	241	CAGCGGGTAGCCGGGACTCTGGGGCCCGGGCTCTACGCTTCTCCGAATTCAACGGATATC	300
Db	241	CAGCGGGTAGCCGGGACTCTGGGGCCCGGGCTCTACGCTTCTCCGAATTCAACGGGATATC	300
QY	301	TCTTCAACTGTGGAGAAAGCGGTCTAGAGACTCAATGACAGAGACAACAGTTAAAGTTCTC	360
Db	301	TCTTCAACTGTGGAGAAAGCGGTCTAGAGACTCAATGACAGAGACAACAGTTAAAGTTCTC	360
QY	361	GCCTGACAAATATTCCTGACACGAATGCACTGGTCTAATGTTGGGGGCTTAAAGTGAA	420
Db	361	GCTTGACAAATATTCCTGACAGAAATGCACTGGTCTAATGTTGGGGGCTTAAAGTGAA	420
QY	421	TGATTTCTTACTTTAAAGAAAACGGGCTTCCAAAGTGATGTTCTTTCTGACCTTCAAC	480
Db	421	TGATTTCTTACTTTAAAGAAAACGGGCTTCCAAAGTGATGTTCTTTCTGACCTTCAAC	480
QY	481	TGGAAAAATACCTGGAAGCAATCAAAAATTTTCTGGTCACTTAAAGGAATGAACTGG	540
Db	481	TGGAAAAATACCTGGAAGCAATCAAAAATTTTCTGGTCACTTAAAGGAATGAACTGG	540
QY	541	CTGTGCGGCCCACTCTGCCAGAAATTCAGAGATGAACATGACAGTTTACAGATTC	600
Db	541	CTGTGCGGCCCACTCTGCCAGAAATTCAGAGATGAACATGACAGTTTACAGATTC	600
QY	601	CCATTCACAGTGAACAGAGAGGGGAAAGCAACCAATGGCAGAGTTCAGAAAGGCTTC	660
Db	601	CCATTCACAGTGAACAGAGAGGGGAAAGCAACCAATGGCAGAGTTCAGAAAGGCTTC	660
QY	661	TCAGAGAGCTCAGTCCACAGAGGATTTTCACTCCGATCGAATGAAATGAGCAACC	720
Db	661	TCAGAGAGCTCAGTCCACAGAGGATTTTCACTCCGATCGAATGAAATGAGCAACC	720
QY	721	TTCCACATGATGTATGCAGAGAAAGGGGTCAGGAGACTCTTCCCTGGTCGTACTTTCA	780
Db	721	TTCCACATGATGTATGCAGAGAAAGGGGTCAGGAGACTCTTCCCTGGTCGTACTTTCA	780
QY	781	TCTGTAGCTTCACTTAAAGAGAGAACTTCTTGGTCTCAAAACAAAGAGATGGGCC	840
Db	781	TCTGTAGCTTCACTTAAAGAGAGAACTTCTTGGTCTCAAAACAAAGAGATGGGCC	840
QY	841	TCCCAATTGGGACAGCTGCTCCGATCATTTGCTGCTGTCAAGACGGGAAAAAGCA	900
Db	841	TCCCAATTGGGACAGCTGCTCCGATCATTTGCTGCTGTCAAGACGGGAAAAAGCA	900
QY	901	TCACATGAAAGGAAGAGATTTTGGCTGAAGAGCTGTACTCTTCACATCTGAGTG	960
Db	901	TCACATGAAAGGAAGAGATTTTGGCTGAAGAGCTGTACTCTTCACATCTGAGTG	960
QY	961	CTGCTTTTGTGGTGTAGATGTCCAGATGAAAGCTTCATTCAACCCATCTGTAGATG	1020
Db	961	CTGCTTTTGTGGTGTAGATGTCCAGATGAAAGCTTCATTCAACCCATCTGTAGATG	1020
QY	1021	CCACCTTTCAGAGTACCAAGGAAAGGCAATGCCCGGTGGCTTGTGTTCAATGG	1080
Db	1021	CCACCTTTCAGAGTACCAAGGAAAGGCAATGCCCGGTGGCTTGTGTTCAATGG	1080
QY	1081	CCCAAGCATGTGTGTTGGAACAGACAGTACCAAGATGGAATGGAAGGTTTGGGCTG	1140
Db	1081	CCCAAGCATGTGTGTTGGAACAGACAGTACCAAGATGGAATGGAAGGTTTGGGCTG	1140
QY	1141	ACACCACACACTTGTGCTGTGAATGAACTGTGCTCAGTTCAACAACCTTGTGACGACA	1200
Db	1141	ACACCACACACTTGTGCTGTGAATGAACTGTGCTCAGTTCAACAACCTTGTGACGACA	1200
QY	1201	AGATTCAAAACCAAGTCAACCTCATCAACCCGACATCTTCCCTGTCTCAACAGTTTC	1260
Db	1201	AGATTCAAAACCAAGTCAACCTCATCAACCCGACATCTTCCCTGTCTCAACAGTTTC	1260
QY	1261	GCTGTGAAGAGAGGGCCCAACCTCTCAATGTGCCATGTGTCAGAGTGAATGCTCTCTCA	1320
Db	1261	GCTGTGAAGAGAGGGCCCAACCTCTCAATGTGCCATGTGTCAGAGTGAATGCTCTCTCA	1320

QY	1321	AGTACCGAGCTCCGCTCCAGAGAGGGATGGGAGAGGGATGCAATTATTACTTGGCAATCCTG	1380
Db	1321	AGTACCGAGCTCCGCTCCAGAGAGGGATGGGAGAGGGATGCAATTATTACTTGGCAATCCTG	1380
QY	1381	AGGAATTCAATAGTTGAGGGCGCTGAGCTTCCCACTTCACAGACAGCGTGCAGAGATACA	1440
Db	1381	AGGAATTCAATAGTTGAGGGCGCTGAGCTTCCCACTTCACAGACAGCGTGCAGAGATACA	1440
QY	1441	GGAGAGTGCAGAGACGGCCCGACGCCAGAGAAAGAAAGAGTCACTACCCAGAAATCA	1500
Db	1441	GGAGAGTGCAGAGACGGCCCGACGCCAGAGAAAGAAAGAGTCACTACCCAGAAATCA	1500
QY	1501	TCTTCCTTTGGAAACAGGGCTTGGCCATCCCGAATGAAAGATTCGAAATATGATAGGCCACATTG	1560
Db	1501	TCTTCCTTTGGAAACAGGGCTTGGCCATCCCGAATGAAAGATTCGAAATATGATAGGCCACATTG	1560
QY	1561	TCACATTAAGCCCCGACACGCTCTGTCTACTGCACTGTGTGAGAGGCACATTTGGGCGAGC	1620
Db	1561	TCACATTAAGCCCCGACACGCTCTGTCTACTGCACTGTGTGAGAGGCACATTTGGGCGAGC	1620
QY	1621	TGTGCGCTCATTTACGAGAACAGGATGACAGGGTCTTGGGCAACCCTGGCTGTGTGTGTTTG	1680
Db	1621	TGTGCGCTCATTTACGAGAACAGGATGACAGGGTCTTGGGCAACCCTGGCTGTGTGTGTTTG	1680
QY	1681	TGTCTCCACCTGACAGCAGATCAACAACGGGCTTGGCCAAATATCTGTCTGAGAGAAAC	1740
Db	1681	TGTCTCCACCTGACAGCAGATCAACAACGGGCTTGGCCAAATATCTGTCTGAGAGAAAC	1740
QY	1741	GGCGCTTGGGCAATCTTTGGGAAAGCGGCTTCAACCCTTGTGTGTGTGTCGCCCCCAACGAGC	1800
Db	1741	GGCGCTTGGGCAATCTTTGGGAAAGCGGCTTCAACCCTTGTGTGTGTGTCGCCCCCAACGAGC	1800
QY	1801	TCAAAGCTGTGGCTTCAGACAGTACCAACAACAGTGCACAGAGGTCGTGCACCATCACTAGTA	1860
Db	1801	TCAAAGCTGTGGCTTCAGACAGTACCAACAACAGTGCACAGAGGTCGTGCACCATCACTAGTA	1860
QY	1861	TGATTTCTGCGAAATGCTTTCAGAGAAAGGGCTGAGATCTCCAGTCTGTCAGTGGAAAGAT	1920
Db	1861	TGATTTCTGCGAAATGCTTTCAGAGAAAGGGCTGAGATCTCCAGTCTGTCAGTGGAAAGAT	1920
QY	1921	TGATCAGTGTGCTGTGGGAAACATGTATTTGGAAGAGTTTCAACCTGTCTGGTGGCGC	1980
Db	1921	TGATCAGTGTGCTGTGGGAAACATGTATTTGGAAGAGTTTCAACCTGTCTGGTGGCGC	1980
QY	1981	ACTCGAAGCATGCGTTTGGCTGTGCGGTGTGTGCACACTCTGGCTGGAAAGTGTCTAATT	2040
Db	1981	ACTCGAAGCATGCGTTTGGCTGTGCGGTGTGTGCACACTCTGGCTGGAAAGTGTCTAATT	2040
QY	2041	CCGGGAGACCATATGCCCTCTGCGAGGCTCTGTGTCGGATGGGGAAAGATGCCACCTCTCTGA	2100
Db	2041	CCGGGAGACCATATGCCCTCTGCGAGGCTCTGTGTCGGATGGGGAAAGATGCCACCTCTCTGA	2100
QY	2101	TACATGAAAGCAACCTGTGGANATGTTTGGAAAGAGAGACAGTGGAAAGACACACAGCA	2160
Db	2101	TACATGAAAGCAACCTGTGGANATGTTTGGAAAGAGAGACAGTGGAAAGACACACAGCA	2160
QY	2161	CAAGCTCCCAAGCATCAGCGTGGGAGATGGGAGATGAACGGGAGATTCATTATATGTGAAC	2220
Db	2161	CAAGCTCCCAAGCATCAGCGTGGGAGATGGGAGATGAACGGGAGATTCATTATATGTGAAC	2220
QY	2221	ACTTCAGCGAAGCGTATATGCAAGGTCTCCCTCTTCAAGCCCCCACTTCAAGCAGAAAGTGG	2280
Db	2221	ACTTCAGCGAAGCGTATATGCAAGGTCTCCCTCTTCAAGCCCCCACTTCAAGCAGAAAGTGG	2280
QY	2281	GAGTTTGCCTTTGACACATGAAGGTCTGTCTTGGAGACTTTCACAACAATGCCCCAAGCTGA	2340
Db	2281	GAGTTTGCCTTTGACACATGAAGGTCTGTCTTGGAGACTTTCACAACAATGCCCCAAGCTGA	2340
QY	2341	TTCCGCCCACTAAAGCCCTGTTTCTCTGCGCAGATCTGAGAGAGATGAGAGAGCGCAGGAGA	2400
Db	2341	TTCCGCCCACTAAAGCCCTGTTTCTCTGCGCAGATCTGAGAGAGATGAGAGAGCGCAGGAGA	2400
QY	2401	AGCGGAGACTGCGGAGGTGCGGCGGCGCTCTGTCTCCAGGAGACTGGCAGCGGCTTGG	2460



```

Db 2401 AGCGGAGACTGCGGAGGTCGCGGCGGCGCTCTCTCCAGGAGCTGGAGGCGCGCTGG 2460
QY 2461 AGGATGAGGAGGCTCAGCAGAGAGCGGCGCCACACAGAGAGCCACAGGCGCAAGAGGTCA 2520
Db 2461 AGGATGAGGAGGCTCAGCAGAGAGCGGCGCCACACAGAGAGCCACAGGCGCAAGAGGTCA 2520
QY 2521 GAGCCCACTGAAGATCTGGAGAGACCCCTGAACTCAGAGGCTGTGTCTTCTTCCGCCACG 2580
Db 2521 GAGCCCACTGAAGATCTGGAGAGACCCCTGAACTCAGAGGCTGTGTCTTCTTCCGCCACG 2580
QY 2581 CACGCACTGATCTGCTCTCTCTTCTGCTGTAGAGCTGAAGCAACGCTCCCGCAGAGG 2640
Db 2581 CACGCACTGATCTGCTCTCTCTTCTGCTGTAGAGCTGAAGCAACGCTCCCGCAGAGG 2640
QY 2641 CAGCTCAGAGATAGGATGATGAGAGCTGTCGAGGCTTGGGCTCCCACTAAGCACTAGT 2700
Db 2641 CAGCTCAGAGATAGGATGATGAGAGCTGTCGAGGCTTGGGCTCCCACTAAGCACTAGT 2700
QY 2701 CTATGATGCTCTTGAAGACTGCTGCTGCAACGCGCGGCGCAGAGGCTGCCACAG 2760
Db 2701 CTATGATGCTCTTGAAGACTGCTGCTGCAACGCGCGGCGCAGAGGCTGCCACAG 2760
QY 2761 GAAGCAAGCAATGAATGAATTTCAAGGCAAGTTTAAAGAGCTTGAAGACAG 2820
Db 2761 GAAGCAAGCAATGAATGAATTTCAAGGCAAGTTTAAAGAGCTTGAAGACAG 2820
QY 2821 ACGGCGGCACTTCTCTCTAATCCAGCAAGATTTCCCTGCAACACAGAGCAAGCA 2880
Db 2821 ACGGCGGCACTTCTCTCTAATCCAGCAAGATTTCCCTGCAACACAGAGCAAGCA 2880
QY 2881 GTAACAGATCAGTGGTCTAAGTCTGAGACTTACGAAATATGATTTAGCTGCA 2940
Db 2881 GTAACAGATCAGTGGTCTAAGTCTGAGACTTACGAAATATGATTTAGCTGCA 2940
QY 2941 TAAAGATTGAGTTGCCAA 2958
Db 2941 TAAAGATTGAGTTGCCAA 2958

```

## RESULT 2

```

US-09-564-805-223
; Sequence 223, Application US/09564805
; Patent No. 6333403
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/564,805
; CURRENT FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: Patent Ver. 2.0
; SEQ ID NO 223
; LENGTH: 2908
; TYPE: DNA
; ORGANISM: Pan troglodytes
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(2478)
US-09-564-805-223

```

```

Query Match 97.2%; Score 2874.4; DB 4; Length 2908;
Best Local Similarity 99.3%; Pred. No. 0;
Matches 2887; Conservative 0; Mismatches 21; Indels 0; Gaps 0;

```

```

QY 51 ATGTGGGCTTTTGTCTCGCTGCGGTCGCGGCGGAGCCAGCATGTGCGAGGAGCGC 110
Db 1 ATGTGGGCTTTTGTCTGCTGCTGCGGTCGCGGCGGAGCCAGCATGTGCGAGGAGCGC 60
QY 111 ACCATATGCAAGGCAACCCCGCGCGGAGCGGCGCGCAGAGAACCCCGTGGGCACTG 170
Db 61 ACCATATGCAAGGCAACCCCGCGCGGAGCGGCGCGCAGAGAACCCCGTGGGCACTG 120
QY 171 CGCAGCGAGAGGAAGCGGAGACCGGTGGGGGTCTCGGGCGGCGCAACCGGTGACCTG 230
Db 121 CGCAGCGAGAGAGCGGAGACCGGTGGGGGTCTCGGGCGGCGCAACCGGTGACCTG 180
QY 231 CAGGTGTGGAGCGGGGTAGCGGAGACTCGGGCGCGCGCTCTAGTCTTCTCCGAGTTC 290
Db 181 CAGGTGTGGAGCGGGGTAGCGGAGACTCGGGCGCGCGCTCTAGTCTTCTCCGAGTTC 240
QY 291 AACCGGATCTCTTCACTGTGAGAGAGCGCTTCAAGACTCATGCAAGAGCAAGTTA 350
Db 241 AACCGGATCTCTTCACTGTGAGAGAGCGCTTCAAGACTCATGCAAGAGCAAGTTA 300
QY 351 AAGGTGTGCGCGTGGAGCAACATATCTCTGACAGAAATGCACTGGTCTAATGTGGGGG 410
Db 301 AAGGTGTGCGCGTGGAGCAACATATCTCTGACAGAAATGCACTGGTCTAATGTGGGGG 360
QY 411 TTAAGTGAATGATTTCTTACTTTAAAGGAAACCGGGCTTCCAAAGTGTACTTTCTGGA 470
Db 361 TTAAGTGAATGATTTCTTACTTTAAAGGAAACCGGGCTTCCAAAGTGTACTTTCTGGA 420
QY 471 CCTCCACAACCTGGAAGAAATACCTCGAGACAAATCAAAATATTTCTGTGTCATTGAAGA 530
Db 421 CCTCCACAACCTGGAAGAAATACCTCGAGACAAATCAAAATATTTCTGTGTCATTGAAGA 480
QY 531 ATAGAACTGGCTGTGGCGGCGCCCACTGTGCCCAAGATGCGAGGAAGAAACATGACAGT 590
Db 481 ATAGAACTGGCTGTGGCGGCGCCCACTGTGCCCAAGATGCGAGGAAGAAACATGACAGT 540
QY 591 TACCAATCTCCCATCAAGTGAACAGAGAGGAGGAGAAACCAACATGCGAGAGTCCA 650
Db 541 TACCAATCTCCCATCAAGTGAACAGAGAGGAGGAGAAACCAACATGCGAGAGTCCA 600
QY 651 GAAAGGCTCTCAGAGGCTCAGTCAGAGCGATCTTCAAGCTCCGAGTCGAATGAAT 710
Db 601 GAAAGGCTCTCAGAGGCTCAGTCAGAGCGATCTTCAAGCTCCGAGTCGAATGAAT 660
QY 711 GAGCCACACCTTCCACATGCTGTGACAGAGAAAGGGGTCAAGGACTTTCCCTGGTTC 770
Db 661 GAGCCACACCTTCCACATGCTGTGACAGAGAAAGGGGTCAAGGACTTTCCCTGGTTC 720
QY 771 GTAGCTTCATCTGTAGCTTCACTTAAGAGAGGAACTTGGTGTCTCAAGCAAG 830
Db 721 GTAGCTTCATCTGTAGCTTCACTTAAGAGAGGAACTTGGTGTCTCAAGCAAG 780
QY 831 GAGATGGGCTTCCAGTGGAGCAGCTCCATCGCTCCATCATTTGCTGTCAAGAGC 890
Db 781 GAGATGGGCTTCCAGTGGAGCAGCTCCATCGCTCCATCATTTGCTGTCAAGAGC 840
QY 891 GGGAAAGCATCATCANTGAAGAAAGAGATTTGGCTGAAGAGCTGTACTCTTCCA 950
Db 841 GGGAAAGCATCATCANTGAAGAAAGAGATTTGGCTGAAGAGCTGTACTCTTCCA 900
QY 951 GATCCTGTGTGCTTTTGGTGTGTAGATGTCCAGATGAAGCTTCAATCAACCATC 1010
Db 901 GATCCTGTGTGCTTTTGGTGTGTAGATGTCCAGATGAAGCTTCAATCAACCATC 960
QY 1011 TGTGAGAAATGCCACTTTCAAGAGTACCAAGAGAAAGGAGATGCCCGGTGGCTTGTG 1070
Db 961 TGTGAGAAATGCCACTTTCAAGAGTACCAAGAGAAAGGAGATGCCCGGTGGCTTGTG 1020
QY 1071 GTTCAATGCGCCCGCAGCATCTGTGCTTGTGACACAGCAGTACACAGTGTGATGAGAG 1130
Db 1021 GTTCAATGCGCCCGCAGCATCTGTGCTTGTGACACAGCAGTACACAGTGTGATGAGAG 1080

```

1131 TTTGGGCTTGACACCCAGCACTTGTCTGTAATGAACTGTGCTCAGTTCAACAACCTT 1190  
1081 TTTGGGCTTGACACCCAGCACTTGTCTGTAATGAACTGTGCTCAGTTCAACAACCTT 1140  
1191 CGCAGCACAAGATTCAAAACCCAGCTCAACCTTCATCCACCCGGAACATCTTCCCTGCTC 1250  
1141 CGCAGCACAAGATTCAAAACCCAGCTCAACCTTCATCCACCCGGAACATCTTCCCTGCTC 1200  
1251 ACCAGTTTCGCTGTAGAAAGAGGGGCCCCACCTCAGTGTGCCATGTGTTCAAGGTGA 1310  
1201 ACCAGTTTCGCTGTAGAAAGAGGGGCCCCACCTCAGTGTGCCATGTGTTCAAGGTGA 1260  
1311 TGCCTCTCAAGTACCAAGCTCCGTCCAGAGAGAGTGGCAGAGGATCCATTTACT 1370  
1261 TGCCTCTCAAGTACCAAGCTCCGTCCAGAGAGAGTGGCAGAGGATCCATTTACT 1320  
1371 TGCATCTCTGAGGAATTCATAGTTGAGGGGCTGACGCTTCCCACTTCCAGAGAGCTG 1430  
1321 TGCATCTCTGAGGAATTCATAGTTGAGGGGCTGACGCTTCCCACTTCCAGAGAGCTG 1380  
1431 CAGAGATACAGAGAGAGTGGCAGAGAGGCCCCAGAGAGAGAGAGAGAGAGTCACTAC 1490  
1381 CAGAGATACAGAGAGAGTGGCAGAGAGGCCCCAGAGAGAGAGAGAGAGTCACTAC 1440  
1491 CAGAAATCATCTCTCTTGAAACAGGGTCTGCCATCCGATGAAAGATTGAAATGTCACT 1550  
1441 CAGAAATCATCTCTCTTGAAACAGGGTCTGCCATCCGATGAAAGATTGAAATGTCACT 1500  
1551 GCGACACTTGTCACTAAGCCCCGACAGCTCTCTGCTACTGATCTGTGTGAGGGCACA 1610  
1501 GCGACACTTGTCACTAAGCCCCGACAGCTCTCTGCTACTGATCTGTGTGAGGGCACA 1560  
1611 TTTGGGCACTGTGCGCTGATTACGAGAGCAAGGTGGAAGGGTCTGAGGCAACCTGCT 1670  
1561 TTTGGGCACTGTGCGCTGATTACGAGAGCAAGGTGGAAGGGTCTGAGGCAACCTGCT 1620  
1671 GCTGTGTGTGTGCTCCACCTGACAGAGATCAACACAGGGCTTGCCTGCTGCTG 1730  
1621 GCTGTGTGTGTGCTCCACCTGACAGAGATCAACACAGGGCTTGCCTGCTGCTG 1680  
1731 CAGAGAGAGCGGCTTGGGATCTTTGGGAAAGCGGCTTCAACCTTGTGCTGTGCTG 1790  
1681 CAGAGAGAGCGGCTTGGGATCTTTGGGAAAGCGGCTTCAACCTTGTGCTGTGCTG 1740  
1791 CCGAATCAGTATGATCTCTGCAAGAGTCAACCAACAGGAGGAGGCTGCAAC 1850  
1741 CCGAATCAGTATGATCTCTGCAAGAGTCAACCAACAGGAGGAGGCTGCAAC 1800  
1851 CACATCAGTATGATCTCTGCAAGAGTCAACCAACAGGAGGAGGCTGCAAC 1910  
1801 CACATCAGTATGATCTCTGCAAGAGTCAACCAACAGGAGGAGGCTGCAAC 1860  
1911 GTGGAAGATGATCAGTTGCTGCTGTTGCAACATGTGATTTGGAGAGTTTCAACCTGT 1970  
1861 GTGGAAGATGATCAGTTGCTGCTGTTGCAACATGTGATTTGGAGAGTTTCAACCTGT 1920  
1971 CTGGTGGGCACTGCAAGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2030  
1921 CTGGTGGGCACTGCAAGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1980  
2031 GTGGTCTATTTCCGGGAGACCAATGCTCTGCAAGGCTCTGGTCCGATTTGGGAAAGATGCC 2090  
1981 GTGGTCTATTTCCGGGAGACCAATGCTCTGCAAGGCTCTGGTCCGATTTGGGAAAGATGCC 2040  
2091 ACCCTCTGTATACATGAGCCACCTGGAAGAGCGTTTGGAGAGAGACAGTGAAG 2150  
2041 ACCCTCTGTATACATGAGCCACCTGGAAGAGCGTTTGGAGAGAGACAGTGAAG 2100  
2151 AACACAGAGACAGCGTCCCAAGGACATCAGCTGGGAGATCCGATGAAACCGGAGTTCAAT 2210  
2101 AACACAGAGACAGCGTCCCAAGGACATCAGCTGGGAGATCCGATGAAACCGGAGTTCAAT 2160  
2211 ATGCTGAACCACTTACGAGCGCTATGCAAGGTCCCTCTTTCAGCCCACTTCAAG 2270

2161 ATGCTGAACCACTTACGAGCGCTATGCAAGGTCCCTCTTTCAGCCCACTTCAAC 2220  
2271 GAGAAAGTGGGAGTGGCTTTGACCAATGAAAGTCTGCTTTGAGAGCTTTTCAACAATG 2330  
2221 GAGAAAGTGGGAGTGGCTTTGACCAATGAAAGTCTGCTTTGAGAGCTTTTCAACAATG 2280  
2331 CCGAAGTGTATTTCCCACTGAAAGCCCTGTTTGTGTCGACATTCAGAGAGATGAGAGAG 2390  
2281 CCGAAGTGTATTTCCCACTGAAAGCCCTGTTTGTGTCGACATTCAGAGAGATGAGAGAG 2340  
2391 CGCAGAGAGAGCGGAGCTGCGGAGCTGCGGAGCTGCGGAGCTGCGGAGCTGCGGAGCTG 2450  
2401 CGCAGAGAGAGCGGAGCTGCGGAGCTGCGGAGCTGCGGAGCTGCGGAGCTGCGGAGCTG 2400  
2451 GCGGAGCTGAGAGATGGGAGAGCTCAGAGAGAGCGGAGCTCAGAGAGAGCTGAGAGAGCT 2510  
2401 GCGGAGCTGAGAGATGGGAGAGCTCAGAGAGAGCGGAGCTCAGAGAGAGCTGAGAGAGCT 2460  
2511 AAGAAAGTCAAGAGCCCAAGTGAAGATCTGGAGAGCCCTGAATCAGAGAGCTGTGTCTT 2570  
2461 AAGAAAGTCAAGAGCCCAAGTGAAGATCTGGAGAGCCCTGAATCAGAGAGCTGTGTCTT 2520  
2571 CTGCCCCAGCAGCAGCCCTGATCTGCCCCCTCTGCTGTGATGAGAGCTGAGAGAGCTG 2630  
2521 CTGCCCCAGCAGCAGCCCTGATCTGCCCCCTCTGCTGTGATGAGAGCTGAGAGAGCTG 2580  
2631 CCGCAGAGAGAGAGCTCAGAGATGAGTGTGATGAGAGCTGAGAGAGCTGAGAGAGCTG 2690  
2581 CCGCAGAGAGAGAGCTCAGAGATGAGTGTGATGAGAGCTGAGAGAGCTGAGAGAGCTG 2640  
2691 AAGCACTAGTCTATGATGCTCTTAGAGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2750  
2641 AAGCACTAGTCTATGATGCTCTTAGAGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2700  
2751 CTGCAACAGAGAGAGAGCTGATGAACTTAATTTCAATTTCAAGAGCTTTTAAAGATG 2810  
2701 CTGCAACAGAGAGAGAGCTGATGAACTTAATTTCAATTTCAAGAGCTTTTAAAGATG 2760  
2811 TTGGAACAGAGAGAGAGCTTCTCTTAATCCAGAAAGATTTCTCTGCAACACAGA 2870  
2761 TTGGAACAGAGAGAGAGCTTCTCTTAATCCAGAAAGATTTCTCTGCAACACAGA 2820  
2871 GACAAGCAGAGATTAACAGATCAGTGGTCTAAGTGTCCGAGACTTAACGAAATAGTAT 2930  
2821 GACAAGCAGAGATTAACAGATCAGTGGTCTAAGTGTCCGAGACTTAACGAAATAGTAT 2880  
2931 TCAGCTGCAATTAAGATTGAGTTTGC 2958  
2881 TCAGCTGCAATTAAGATTGAGTTTGC 2908

RESULT 3  
US-09-564-805-225  
; Sequence 225, Application US/09564805  
; Patent No. 6333403  
GENERAL INFORMATION:  
; APPLICANT: Tavrighian, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johannes M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes  
; FILE REFERENCE: 2318-258  
; CURRENT APPLICATION NUMBER: US/09/564,805  
; CURRENT FILING DATE: 2000-05-05  
; PRIOR APPLICATION NUMBER: US 60/107,468  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR APPLICATION NUMBER: 09/434,382  
; PRIOR FILING DATE: 1999-11-05  
; NUMBER OF SEQ ID NOS: 240  
; SOFTWARE: Patent Ver. 2.0





QY 771 GTAGCTTTCATCTGTAGCTTCACTTAAAGAGAGAACTTCTGTGCTCAAGCAAG 830  
 Db 721 GTAGCTTTCATCTGTAGCTTCACTTAAAGAGAGAACTTCTGTGCTCAAGCAAG 780  
 QY 831 GAGATGGGCTCCAGTTGGGACAGCTCCGTCCTCCATCTGTGCTGTCAAGAC 890  
 Db 781 GAGATGGGCTCCAGTTGGGACAGCTCCGTCCTCCATCTGTGCTGTCAAGAC 840  
 QY 891 GGGAAAGCATCATCTATGAGAGAGATTTTGGCTGAGAGAGCTGTACTCTCA 950  
 Db 841 GGGAAAGCATCATCTATGAGAGAGATTTTGGCTGAGAGAGCTGTACTCTCA 900  
 QY 951 GATCTGTGTGCTTTTGTGTGTGTAGATGTCCAGATGAAAGCTTCAATCAACCA 1010  
 Db 901 GATCTGTGTGCTTTTGTGTGTGTAGATGTCCAGATGAAAGCTTCAATCAACCA 960  
 QY 1011 TGTGAGATGCGACCTTTCAAGAGTACCAAGAAAGGAGATGCCCCCTGTGCTG 1070  
 Db 961 TGTGAGATGCGACCTTTCAAGAGTACCAAGAAAGGAGATGCCCCCTGTGCTG 1020  
 QY 1071 GTTCAATGAGGCGCCAGCATCTGTGTGTGTGAGAGAGATGAGAGAGAG 1130  
 Db 1021 GTTCAATGAGGCGCCAGCATCTGTGTGTGTGAGAGAGATGAGAGAGAG 1080  
 QY 1131 TTTGGGCTGACACCCAGCATCTGTGTGTGTGAGAGAGATGAGAGAGAG 1190  
 Db 1081 TTTGGGCTGACACCCAGCATCTGTGTGTGTGAGAGAGATGAGAGAGAG 1140  
 QY 1191 CGAGCCCAAGATTCAAACCCAGCTCAACCTCATCCACCCGAGATCTTCCCTGCTC 1250  
 Db 1141 CGAGCCCAAGATTCAAACCCAGCTCAACCTCATCCACCCGAGATCTTCCCTGCTC 1200  
 QY 1251 ACCGTTTCCCTGTAAAGAGAGAGGCGCCCAACCTCATGAGAGAGATGAGAGAG 1310  
 Db 1201 ACCGTTTCCCTGTAAAGAGAGAGGCGCCCAACCTCATGAGAGAGATGAGAGAG 1260  
 QY 1311 TGCCCTCTCAAGTACAGCTCCGTCCTCAAGAGAGAGATGAGAGAGAT 1370  
 Db 1261 TGCCCTCTCAAGTACAGCTCCGTCCTCAAGAGAGAGATGAGAGAGAT 1320  
 QY 1371 TGCAATCTGAGAGATTCATGATGAGAGAGATGAGAGATGAGAGAGAT 1430  
 Db 1321 TGCAATCTGAGAGATTCATGATGAGAGAGATGAGAGATGAGAGAGAT 1380  
 QY 1431 CAGAGATCAG 1490  
 Db 1381 CAGAGATCAG 1440  
 QY 1491 CCAGAAATCATCTCTCTGGAACAGAGATCTGCAATCCGATGAAAGTTCAGAT 1550  
 Db 1441 CCAGAAATCATCTCTCTGGAACAGAGATCTGCAATCCGATGAAAGTTCAGAT 1500  
 QY 1551 GCCACACTTGTCAACATAAGCCCGACAGCTCTGCTACTGAGATGAGAGAGAG 1610  
 Db 1501 GCCACACTTGTCAACATAAGCCCGACAGCTCTGCTACTGAGATGAGAGAGAG 1560  
 QY 1611 TTTGGGACAGCTGTGCTGTCTATTAAGAGAGAGAGAGAGAGAGAGAGAG 1670  
 Db 1561 TTTGGGACAGCTGTGCTGTCTATTAAGAGAGAGAGAGAGAGAGAGAGAG 1620  
 QY 1671 GCTGTGTGTGTGTGCTCACTGAGAGAGATCAACAGAGAGAGAGAGAGAGAG 1730  
 Db 1621 GCTGTGTGTGTGTGCTCACTGAGAGAGATCAACAGAGAGAGAGAGAGAGAG 1680  
 QY 1731 CAG 1790  
 Db 1681 CAG 1740  
 QY 1791 CCCAACAGCTCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1850  
 Db 1741 CCCAACAGCTCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1800  
 QY 1851 CACATCAGATGATTCCTGCAAAATGCTTCAGAGAGAGAGAGAGATCTCAGTCTGCA 1910

Db 1801 CACATCAGATGATTCCTGCAAAATGCTTCAGAGAGAGAGAGATCTCAGTCTGCA 1860  
 QY 1911 GTGAAAGATTCAGATGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1970  
 Db 1861 GTGAAAGATTCAGATGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1920  
 QY 1971 CTGT 2030  
 Db 1921 CTGT 1980  
 QY 2031 GT 2090  
 Db 1981 GT 2040  
 QY 2091 ACCCTCTGATATCAATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 2150  
 Db 2041 ACCCTCTGATATCAATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 2100  
 QY 2151 ACACAG 2210  
 Db 2101 ACACAG 2160  
 QY 2211 ATGT 2270  
 Db 2161 ATGT 2220  
 QY 2271 GAGAAAGT 2330  
 Db 2221 GAGAAAGT 2280  
 QY 2331 CCCAAGT 2390  
 Db 2281 CCCAAGT 2340  
 QY 2391 CGAG 2450  
 Db 2341 CGAG 2400  
 QY 2451 GCGGCTGT 2510  
 Db 2401 GCGGCTGT 2460  
 QY 2511 AAGAAAGT 2570  
 Db 2461 AAGAAAGT 2520

RESULT 5  
 US-09-564-805-221  
 ; Sequence 221: Application US/09564805  
 ; Patent No. 6333403  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Tavligian, Sean V.  
 ; APPLICANT: Teng, David H.F.  
 ; APPLICANT: Simard, Jacques  
 ; APPLICANT: Rommens, Johanna M.  
 ; APPLICANT: Myriad Genetics, Inc.  
 ; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
 ; FILE REFERENCE: 2318-258  
 ; CURRENT APPLICATION NUMBER: US/09/564,805  
 ; PRIOR FILING DATE: 1998-11-06  
 ; PRIOR APPLICATION NUMBER: 09/434,382  
 ; NUMBER OF SEQ ID NOS: 240  
 ; SOFTWARE: Patent Ver. 2.0  
 ; SEQ ID NO 221  
 ; LENGTH: 2470  
 ; TYPE: DNA  
 ; ORGANISM: Mus musculus



Db 2059 AGGACACACACACACCTCCAGGCTATTAATGCGGATGCGATGAATGCGGAGTTG 2118  
QY 2208 ATTATGCTGAACACCTTACAGCAGCGCTATGCGCAAGGTCCCTCTTACAGCCCACTTC 2267  
Db 2119 ATCATGCTGAACACCTTACAGCAGCGCTATGCGCAAGGTCCCTCTTACAGCCCACTTC 2178  
QY 2268 AGCGAAGATGCGGATGCTCTTACCAATGAAGTCTGCTTGAAGACTTTTCAACA 2327  
Db 2179 AACGAAAGATGCGGATGCTCTTACCAATGAAGTCTGCTTGAAGACTTTTCAACA 2238  
QY 2338 ATGCCAAGCTGATTCCTCCACTGAAGCCCTGTTGCTGCGCATGAGAGATGAG 2387  
Db 2239 GTGCCAAGCTGATTCCTCCACTGAAGCCCTGTTGCTGCGCATGAGAGATGAG 2298  
QY 2388 GAGCGCAGGAGGAAGCGGAGCTGCGAGGCGGCGGCTCTCTCCAGGAGCTG 2447  
Db 2299 GAGCGCAGGAGGAAGCGGAGCTGCGAGGCGGCGGCTCTCTCCAGGAGCTG 2355  
QY 2448 GCAGCGGCTGAGATGCGGAGCTGCGAGGCGGCGGCTCTCTCCAGGAGCTG 2506  
Db 2356 GCAGCGGCTGAGATGCGGAGCTGCGAGGCGGCGGCTCTCTCCAGGAGCTG 2414

RESULT 6  
US-09-564-805-28  
Sequence 28, Application US/09564805  
Patent No. 6333403  
GENERAL INFORMATION:  
APPLICANT: Tavligian, Sean V.  
APPLICANT: Teng, David H.F.  
APPLICANT: Simard, Jacques  
APPLICANT: Rommens, Johanna M.  
APPLICANT: Myriad Genetics, Inc.  
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
FILE REFERENCE: 2318-258  
CURRENT APPLICATION NUMBER: US/09/564,805  
CURRENT FILING DATE: 2000-05-05  
PRIOR APPLICATION NUMBER: US 60/107,468  
PRIOR FILING DATE: 1998-11-06  
PRIOR APPLICATION NUMBER: 09/434,382  
NUMBER OF SEQ ID NOS: 240  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 28  
LENGTH: 26664  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: misc feature  
LOCATION: (910)..(13104)  
OTHER INFORMATION: exon 1: 910-1154; exon 2: 1736-1786; exon 3:  
OTHER INFORMATION: 1925-1995; exon 4: 3025-3089; exon 5: 4361-4418;  
OTHER INFORMATION: exon 6: 5582-5650; exon 7: 7075-7194; exon 8:  
OTHER INFORMATION: 8186-8244; exon 9: 12878-12936; exon 10:  
NAME/KEY: misc feature  
LOCATION: (13756)..(22917)  
OTHER INFORMATION: exon 11: 13756-13868; exon 12: 15283-15378; exon  
OTHER INFORMATION: 13: 16278-16416; exon 14: 16498-16583; exon 15:  
OTHER INFORMATION: 18583-18701; exon 16: 20349-20445; exon 17:  
OTHER INFORMATION: 22172-22310; exon 18: 22879-22917  
NAME/KEY: misc feature  
LOCATION: (23045)..(26452)  
OTHER INFORMATION: exon 19: 23045-23154; exon 20: 23795-23895; exon  
OTHER INFORMATION: 21: 23973-24093; exon 22: 24354-24432; exon 23:  
OTHER INFORMATION: 25026-25170; exon 24: 25812-26036; polyadenylation  
NAME/KEY: variation  
LOCATION: (826)..(23879)  
OTHER INFORMATION: s at positions 826 and 23180 is G or C; y at  
OTHER INFORMATION: positions 1914, 5568, 7165, 16431, 1857 and 20486  
OTHER INFORMATION: is C or T; n at position 13128 is t or tgat; r at

OTHER INFORMATION: positions 22211 and 23879 is A or G.  
US-09-564-805-28

Query Match 22.2%; Score 657.2; DB 4; Length 26664;  
Best Local Similarity 99.5%; Pred. No. 1.7e-166;  
Matches 659; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2297 CATGAAGTCTGCTTGTGAGACTTTCACATGATGCCAAGCTGATTCCTCCACTGAAGC 2356  
Db 25805 CTTAGAGTCTGCTTGTGAGACTTTCACATGATGCCAAGCTGATTCCTCCACTGAAGC 25864  
QY 2337 CCTGTTGCTGCGCATGAGAGATGAGAGCGCAGGAGAAAGCGGAGCTGCGCA 2416  
Db 25865 CCTGTTGCTGCGCATGAGAGATGAGAGCGCAGGAGAAAGCGGAGCTGCGCA 25924  
QY 2417 GATGCGGCGGCGCTCTCTGTCAGGAGCTGCGAGCGGCGCTGAGAGATGCGGAGCTCA 2476  
Db 25925 GATGCGGCGGCGCTCTCTGTCAGGAGCTGCGAGCGGCGCTGAGAGATGCGGAGCTCA 25984  
QY 2477 GCAGAGCGGCGCCACACAGAGAGCCACAGGCCAAGAGTCAAGGCCAGTGAAGTC 2536  
Db 25985 GCAGAGCGGCGCCACACAGAGAGCCACAGGCCAAGAGTCAAGGCCAGTGAAGTC 26044  
QY 2537 TGGAGACCTGAACTGAAAGCTGTGTCTTCTGCCCCACGACGACCCGATCTG 2596  
Db 26045 TGGAGACCTGAACTGAAAGCTGTGTCTTCTGCCCCACGACGACCCGATCTG 26104  
QY 2597 CCTCCTTGTGCTGTAAGAGCTGAAGAGACGCTGCCAGAGAGGAGCTCAAGATAGTGTG 2656  
Db 26105 CCTCCTTGTGCTGTAAGAGCTGAAGAGACGCTGCCAGAGAGGAGCTCAAGATAGTGTG 26164  
QY 2657 GTATGAGACTGTGCGAGAGCTTGGGCTCCCATTAAGACTAGTCTATAGATGCTCTTA 2716  
Db 26165 GTATGAGACTGTGCGAGAGCTTGGGCTCCCATTAAGACTAGTCTATAGATGCTCTTA 26224  
QY 2717 GACTGTGCTGTGACAGCGCGCGGCGCAGAGAGCTGTCACAGCGAAGCAAGCATGAA 2776  
Db 26225 GACTGTGCTGTGACAGCGCGCGGCGCAGAGAGCTGTCACAGCGAAGCAAGCATGAA 26284  
QY 2777 CTAATTTTCAATTCAGAGAGCTTTTAAAGAGCTTGAAGACGCGCGGACCTTTCC 2836  
Db 26285 CTAATTTTCAATTCAGAGAGCTTTTAAAGAGCTTGAAGACGCGCGGACCTTTCC 26344  
QY 2837 TCTAATCCAGAAAGTATTCCTGCAACACAGAGAGAGAGTAACAGATCAGTGG 2896  
Db 26345 TCTAATCCAGAAAGTATTCCTGCAACACAGAGAGAGAGTAACAGATCAGTGG 26404  
QY 2897 GTCTAAGTGTCCGAGACTTAAAGAAATAGTATTTCACTGCAATTAAGATTGCTGC 2956  
Db 26405 GTCTAAGTGTCCGAGACTTAAAGAAATAGTATTTCACTGCAATTAAGATTGCTGC 26464  
QY 2957 AA 2958  
Db 26465 AA 26466

RESULT 7  
US-09-564-805-27  
Sequence 27, Application US/09564805  
Patent No. 6333403  
GENERAL INFORMATION:  
APPLICANT: Tavligian, Sean V.  
APPLICANT: Teng, David H.F.  
APPLICANT: Simard, Jacques  
APPLICANT: Rommens, Johanna M.  
APPLICANT: Myriad Genetics, Inc.  
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
FILE REFERENCE: 2318-258  
CURRENT APPLICATION NUMBER: US/09/564,805  
CURRENT FILING DATE: 2000-05-05  
PRIOR APPLICATION NUMBER: US 60/107,468  
PRIOR FILING DATE: 1998-11-06



PRIOR APPLICATION NUMBER: 09/434,382  
PRIOR FILING DATE: 1999-11-05  
NUMBER OF SEQ ID NOS: 240  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 27  
LENGTH: 655  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (1)..(228)  
OTHER INFORMATION: exon 24  
NAME/KEY: polyA\_signal  
LOCATION: (636)..(641)  
US-09-564-805-27

Query Match 22.1%; Score 655; DB 4; Length 655;  
Best Local Similarity 100.0%; Pred. No. 9,2e-167;  
Matches 655; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2304 GTCTGCTTGGAGACTTTCCAAACATGCCCAAGCTGATCCCCCACTGAAGCCCTGTTT 2363  
DB 1 GTCTGCTTGGAGACTTTCCAAACATGCCCAAGCTGATCCCCCACTGAAGCCCTGTTT 60  
QY 2364 GCTGGCGACATCGAGAGATGAGAGAGCGCAGGAGAACCGGAGCTGCGCAGGTGCGG 2423  
DB 61 GCTGGCGACATCGAGAGATGAGAGAGCGCAGGAGAACCGGAGCTGCGCAGGTGCGG 120  
QY 2424 GCGGCGCTCTCTGTCAGGAGCTGCGAGCGCTTGGAGATGGGAGCCTTCAGCAGANG 2483  
DB 121 GCGGCGCTCTCTGTCAGGAGCTGCGAGCGCTTGGAGATGGGAGCCTTCAGCAGANG 180  
QY 2484 CCGGCGCCACAGAGAGAGCAGAGCCCAAGAGGTAGAGCCCAAGTGAATCTGGAGAA 2543  
DB 181 CCGGCGCCACAGAGAGAGCAGAGCCCAAGAGGTAGAGCCCAAGTGAATCTGGAGAA 240  
QY 2544 CCTGAACCTCAGAGAGCTGTGTCTTCTGCCCCAGCAGCACCCTGATCTGCCCCCT 2603  
DB 241 CCTGAACCTCAGAGAGCTGTGTCTTCTGCCCCAGCAGCACCCTGATCTGCCCCCT 300  
QY 2604 TCTGTGTAGAGCTGAAGAGCAGGTCCTCCAGAGAGCAGCTCAGATAGGTGTATGGA 2663  
DB 301 TCTGTGTAGAGCTGAAGAGCAGGTCCTCCAGAGAGCAGCTCAGATAGGTGTATGGA 360  
QY 2664 GCTGTCCAGAGGTTGGCTCTCCACATAGACATCTATAGATGATCCCTTAAGACTGG 2723  
DB 361 GCTGTCCAGAGGTTGGCTCTCCACATAGACATCTATAGATGATCCCTTAAGACTGG 420  
QY 2724 TGCTTGGCAGAGCGGCGGAGAGGCTGCGCAGCAGAGCAAGAGATGAATGAATTT 2783  
DB 421 TGCTTGGCAGAGCGGCGGAGAGGCTGCGCAGCAGAGCAAGAGATGAATGAATTT 480  
QY 2784 CATTTCAAGGACATTTTAAAGAGTCTTGAAACAGACGCGCGCACTTTCTCTAATC 2843  
DB 481 CATTTCAAGGACATTTTAAAGAGTCTTGAAACAGACGCGCGCACTTTCTCTAATC 540  
QY 2844 CAGCAAAAGTATTCCTCTGCAACACAGACAGCAAGTAAAGATCACTGGGTCTAAG 2903  
DB 541 CAGCAAAAGTATTCCTCTGCAACACAGACAGCAAGTAAAGATCACTGGGTCTAAG 600  
QY 2904 TGTCCGAGACTTAAGCAAAATAGTATTTGAGCTGCAATAAAGATGAGTTTGA 2958  
DB 601 TGTCCGAGACTTAAGCAAAATAGTATTTGAGCTGCAATAAAGATGAGTTTGA 655

RESULT 8  
US-09-564-805-210  
Sequence 210, Application US/09564805  
Patent No. 6333403  
GENERAL INFORMATION:  
APPLICANT: Tavligian, Sean V.  
APPLICANT: Teng, David H.F.  
APPLICANT: Simard, Jacques

APPLICANT: Rommens, Johanna M.  
APPLICANT: Myriad Genetics, Inc.  
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes  
FILE REFERENCE: 2318-258  
CURRENT APPLICATION NUMBER: US/09/564,805  
CURRENT FILING DATE: 2000-05-05  
PRIOR APPLICATION NUMBER: US 60/107,468  
PRIOR FILING DATE: 1998-11-06  
PRIOR APPLICATION NUMBER: 09/434,382  
PRIOR FILING DATE: 1999-11-05  
NUMBER OF SEQ ID NOS: 240  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 210  
LENGTH: 350  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: CDS  
LOCATION: (51)..(293)  
US-09-564-805-210

Query Match 10.1%; Score 297.4; DB 4; Length 350;  
Best Local Similarity 98.0%; Pred. No. 1,5e-70;  
Matches 301; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1 CCGGCGCGTAGAGTGAACCGGCGCTTCTCAGTTTGTGAGACCGGCGCATGTGGCGC 60  
DB 1 CCGGCGCGTAGAGTGAACCGGCGCTTCTCAGTTTGTGAGACCGGCGCATGTGGCGC 60  
QY 61 TTTGTCTGCTGTGCGGTCTGCGGCGCGAGCAGCATGTGCGAGAGACGACCATATTCG 120  
DB 61 TTTGTCTGCTGTGCGGTCTGCGGCGCGAGCAGCATGTGCGAGAGACGACCATATTCG 120  
QY 121 AGGACCGCGCCCGCGCGAGCGCGCGCGAGAGACCCGCTGGGCGACCTGGCGCAGCGAG 180  
DB 121 AGGACCGCGCCCGCGCGAGCGCGCGCGAGAGACCCGCTGGGCGACCTGGCGCAGCGAG 180  
QY 181 AGAAGCGCGGACCGTGGGCGTCTCGGCGCGCCAAACCGCTGACCTGAGTGTGTGG 240  
DB 181 AGAAGCGCGGACCGTGGGCGTCTCGGCGCGCCAAACCGCTGACCTGAGTGTGTGG 240  
QY 241 CAGCGGTAAGCGGGAATCTGGGCGCGCGCTCTAGCTTCTCCAGTTCAACCGGTATC 300  
DB 241 CAGCGGTAAGCGGGAATCTGGGCGCGCGCTCTAGCTTCTCCAGTTCAACCGGTATC 300  
QY 301 TCTTCAA 307  
DB 301 TCAACGA 307

RESULT 9  
US-09-564-805-4  
Sequence 4, Application US/09564805  
Patent No. 6333403  
GENERAL INFORMATION:  
APPLICANT: Tavligian, Sean V.  
APPLICANT: Teng, David H.F.  
APPLICANT: Simard, Jacques  
APPLICANT: Rommens, Johanna M.  
APPLICANT: Myriad Genetics, Inc.  
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes  
FILE REFERENCE: 2318-258  
CURRENT APPLICATION NUMBER: US/09/564,805  
CURRENT FILING DATE: 2000-05-05  
PRIOR APPLICATION NUMBER: US 60/107,468  
PRIOR FILING DATE: 1998-11-06  
PRIOR APPLICATION NUMBER: 09/434,382  
PRIOR FILING DATE: 1999-11-05  
NUMBER OF SEQ ID NOS: 240  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 4



LENGTH: 295  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (51)-(295)  
OTHER INFORMATION: exon 1  
US-09-564-805-4

Query Match 10.0%; Score 295; DB 4; Length 295;  
Best Local Similarity 100.0%; Pred. No. 6.2e-70;  
Matches 295; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGCGGCGCTAGAGTGAACCGGCGCTTCTCAGTTTGTGAGAGACGGGCGCATGTGGCGC 60  
DB 1 CGCGGCGCTAGAGTGAACCGGCGCTTCTCAGTTTGTGAGAGACGGGCGCATGTGGCGC 60  
QY 61 TTTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 120  
DB 61 TTTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 120  
QY 121 AGGACCG 180  
DB 121 AGGACCG 180  
QY 181 AGAAGCGCGGACCGCTCGGGGCTGCTCCGGCGGCGCGCGCGCGCGCGCGCGCGCGCGCG 240  
DB 181 AGAAGCGCGGACCGCTCGGGGCTGCTCCGGCGGCGCGCGCGCGCGCGCGCGCGCGCGCG 240  
QY 241 CAGCGGCGTAGCCGCGGACCTCGGGCGCGCGCGCTTCTTCTTCCGAGTTCAACCG 295  
DB 241 CAGCGGCGTAGCCGCGGACTCGGGCGCGCGCGCTTCTTCTTCCGAGTTCAACCG 295

RESULT 10  
US-09-328-111-315

Sequence 315, Application US/09328111  
Patent No. 626233  
GENERAL INFORMATION:  
APPLICANT: Endeavour, Wilson O.  
APPLICANT: Steinmann, Kathleen E.  
APPLICANT: Astle, Jon H.  
APPLICANT: Burgess, Christopher C.  
APPLICANT: Bushnell, Steven E.  
APPLICANT: Carroll III, Eddie  
APPLICANT: Catino, Theodore J.  
APPLICANT: Derti, Adnan  
APPLICANT: Ford, Donna M.  
APPLICANT: Lewis, Marcia E.  
APPLICANT: Monahan, John E.  
APPLICANT: Schlegel, Robert  
TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION  
FILE REFERENCE: CCD-257 (US)  
CURRENT APPLICATION NUMBER: US/09/328,111  
CURRENT FILING DATE: 1999-06-08  
EARLIER APPLICATION NUMBER: US 60/088,801  
EARLIER FILING DATE: 1998-06-10  
NUMBER OF SEQ ID NOS: 850  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 315  
LENGTH: 238  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-328-111-315

Query Match 8.0%; Score 237; DB 3; Length 238;  
Best Local Similarity 100.0%; Pred. No. 2.4e-54;  
Matches 237; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 226 ACTGCGAGTGTGTGACGCGGAGTCCGGGACTCGGGCGCGCGCTTACGTTCTTCTCG 285  
DB 1 ACTGCGAGTGTGTGACGCGGAGTCCGGGACTCGGGCGCGCGCTTACGTTCTTCTCG 60

QY 286 AGTTCAACCGGTATCTTCACTGTGAGAGGCGTTCAAGACTCATGACGAGACACA 345  
DB 61 AGTTCAACCGGTATCTTCACTGTGAGAGGCGTTCAAGACTCATGACGAGACACA 120  
QY 346 AGTTAAAGTTTGTCTGCTGAGCAACATATTTCTGACACGAATGACTGTGTTAATGTTG 405  
DB 121 AGTTAAAGTTTGTCTGCTGAGCAACATATTTCTGACACGAATGACTGTGTTAATGTTG 180  
QY 406 GGGGTTAAGTGAATGATTTCTTAAAGAAACCGGCTTCCAAAGTGTAC 462  
DB 181 GGGGTTAAGTGAATGATTTCTTAAAGAAACCGGCTTCCAAAGTGTAC 237

RESULT 11  
US-09-564-805-26

Sequence 26, Application US/09564805  
Patent No. 6333403  
GENERAL INFORMATION:  
APPLICANT: Tavitigian, Sean V.  
APPLICANT: Teng, David H.F.  
APPLICANT: Simard, Jacques  
APPLICANT: Rommens, Johanna M.  
TITLE OF INVENTION: Myriad Genetics, Inc.  
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
FILE REFERENCE: 2318-258  
CURRENT APPLICATION NUMBER: US/09/564,805  
CURRENT FILING DATE: 2000-05-05  
PRIOR APPLICATION NUMBER: US 60/107,468  
PRIOR FILING DATE: 1998-11-06  
PRIOR APPLICATION NUMBER: 09/434,382  
PRIOR FILING DATE: 1999-11-05  
NUMBER OF SEQ ID NOS: 240  
SOFTWARE: Patentin Ver. 2.0  
SEQ ID NO 26  
LENGTH: 145  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (1)-(145)  
OTHER INFORMATION: exon 23  
US-09-564-805-26

Query Match 4.9%; Score 145; DB 4; Length 145;  
Best Local Similarity 100.0%; Pred. No. 1.1e-29;  
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2159 CACAACGTCGCAACGCAATCAGCGTGGGATGCGGATGAAGCGGAGTTCATTATGCTGAA 2218  
DB 1 CACAACGTCGCAACGCAATCAGCGTGGGATGCGGATGAAGCGGAGTTCATTATGCTGAA 60  
QY 2219 CCACCTTACGCGAGCGCTATGCAAGTCCCTCTTTCAGCCCCCACTTACGCGAGAAAGT 2278  
DB 61 CCACCTTACGCGAGCGCTATGCAAGTCCCTCTTTCAGCCCCCACTTACGCGAGAAAGT 120  
QY 2279 GCGAGTTCCTTTGACCAATGAAG 2303  
DB 121 GCGAGTTCCTTTGACCAATGAAG 145

RESULT 12  
US-09-564-805-16

Sequence 16, Application US/09564805  
Patent No. 6333403  
GENERAL INFORMATION:  
APPLICANT: Tavitigian, Sean V.  
APPLICANT: Teng, David H.F.  
APPLICANT: Simard, Jacques  
APPLICANT: Rommens, Johanna M.  
TITLE OF INVENTION: Myriad Genetics, Inc.  
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility

TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes  
FILE REFERENCE: 2318-258  
CURRENT APPLICATION NUMBER: US/09/564,805  
CURRENT FILING DATE: 2000-05-05  
PRIOR APPLICATION NUMBER: US 60/107,468  
PRIOR FILING DATE: 1998-11-06  
PRIOR APPLICATION NUMBER: 09/434,382  
PRIOR FILING DATE: 1999-11-05  
NUMBER OF SEQ ID NOS: 240  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 16  
LENGTH: 139  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (1)..(139)  
OTHER INFORMATION: exon 13  
US-09-564-805-16

Query Match 4.7%; Score 139; DB 4; Length 139;  
Best Local Similarity 100.0%; Pred. No. 4.5e-28;  
Matches 139; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1130 GTTGGGCTGACACCCAGCACTTGCTGATGAGAACTGCTCAGTTCAACACT 1189  
DB 1 GTTGGGCTGACACCCAGCACTTGCTGATGAGAACTGCTCAGTTCAACACT 60  
QY 1190 TCGCAGCCCAAGATTCAAAACCCAGCTCAACCTGATCCACCCGAGATCTTCCCTGCT 1249  
DB 61 TCGCAGCCCAAGATTCAAAACCCAGCTCAACCTGATCCACCCGAGATCTTCCCTGCT 120  
QY 1250 CACCACTTTCCTGCTGTAAG 1268  
DB 121 CACCACTTTCCTGCTGTAAG 139

RESULT 13  
US-09-564-805-20  
Sequence 20, Application US/09564805  
Patent No. 6333403  
GENERAL INFORMATION:  
APPLICANT: Tavtigian, Sean V.  
APPLICANT: Teng, David H.F.  
APPLICANT: Simard, Jacques  
APPLICANT: Rommens, Johanna M.  
APPLICANT: Myriad Genetics, Inc.  
TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility  
FILE REFERENCE: 2318-258  
CURRENT APPLICATION NUMBER: US/09/564,805  
CURRENT FILING DATE: 2000-05-05  
PRIOR APPLICATION NUMBER: US 60/107,468  
PRIOR FILING DATE: 1998-11-06  
PRIOR APPLICATION NUMBER: 09/434,382  
PRIOR FILING DATE: 1999-11-05  
NUMBER OF SEQ ID NOS: 240  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 20  
LENGTH: 139  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (1)..(139)  
OTHER INFORMATION: exon 17  
US-09-564-805-20

Query Match 4.7%; Score 139; DB 4; Length 139;  
Best Local Similarity 100.0%; Pred. No. 4.5e-28;  
Matches 139; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1571 CCCGACGCTCTGCTGACTGAGACTGTGTGAGGGACAACTTGGGAGCTGTGCGCTCA 1630

DB 1 CCCCCACGCTCTGCTGACTGAGACTGTGTGAGGGACAACTTGGGAGCTGTGCGCTCA 60  
QY 1631 TTACGAGACAGGAGGAGCAGAGGTCCTGGGACACCTGAGCTGCTGTTGTCCCACT 1690  
DB 61 TTACGAGACAGGAGGAGGAGGTCCTGGGACACCTGAGCTGCTGTTGTGTCCCACT 120  
QY 1691 GCACGAGATCAACACAG 1709  
DB 121 GCACGAGATCAACACAG 139

RESULT 14  
US-09-564-805-24  
Sequence 24, Application US/09564805  
Patent No. 6333403  
GENERAL INFORMATION:  
APPLICANT: Tavtigian, Sean V.  
APPLICANT: Teng, David H.F.  
APPLICANT: Simard, Jacques  
APPLICANT: Rommens, Johanna M.  
APPLICANT: Myriad Genetics, Inc.  
TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility  
FILE REFERENCE: 2318-258  
CURRENT APPLICATION NUMBER: US/09/564,805  
CURRENT FILING DATE: 2000-05-05  
PRIOR APPLICATION NUMBER: US 60/107,468  
PRIOR FILING DATE: 1998-11-06  
PRIOR APPLICATION NUMBER: 09/434,382  
PRIOR FILING DATE: 1999-11-05  
NUMBER OF SEQ ID NOS: 240  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 24  
LENGTH: 121  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (1)..(121)  
OTHER INFORMATION: exon 21  
US-09-564-805-24

Query Match 4.1%; Score 121; DB 4; Length 121;  
Best Local Similarity 100.0%; Pred. No. 3e-23;  
Matches 121; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1959 TTTCAGACTGTCTGTGTCGGGACATGCCATGCTTGGGCTGCGGTGGACACAC 2018  
DB 1 TTTCAGACTGTCTGTGTCGGGACATGCCATGCTTGGGCTGCGGTGGACACAC 60  
QY 2019 TCTGGTGAAGAGTGTATTCGGGAGACACATGCCCTGGAGGCTGTGTCGGATG 2078  
DB 61 TCTGGTGAAGAGTGTATTCGGGAGACACATGCCCTGGAGGCTGTGTCGGATG 120  
QY 2079 G 2079  
DB 121 G 121

RESULT 15  
US-09-564-805-10  
Sequence 10, Application US/09564805  
Patent No. 6333403  
GENERAL INFORMATION:  
APPLICANT: Tavtigian, Sean V.  
APPLICANT: Teng, David H.F.  
APPLICANT: Simard, Jacques  
APPLICANT: Rommens, Johanna M.  
APPLICANT: Myriad Genetics, Inc.  
TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility  
FILE REFERENCE: 2318-258

```
; CURRENT APPLICATION NUMBER: US/09/564,805
; CURRENT FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 120
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(120)
; OTHER INFORMATION: exon 7
US-09-564-805-10

Query Match      4.1%; Score 120; DB 4; Length 120;
Best Local Similarity 100.0%; Pred.No. 5.5e-23;
Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      610 GTGAACAGAGAGGGGAAAGCAACCATGGCAGAGTCCAGAAAGGCTCTCAGCAGGC 669
      |||||||
Db      1 GTGAACAGAGAGGGGAAAGCAACCATGGCAGAGTCCAGAAAGGCTCTCAGCAGGC 60

QY      670 TCAGTCAGAGGCGATCTTCAGACTCCGAGTCGATGGAATGAGGCGACACCTTCACATG 729
      |||||||
Db      61 TCAGTCAGAGGCGATCTTCAGACTCCGAGTCGATGGAATGAGGCGACACCTTCACATG 120
```

Search completed: January 13, 2004, 23:23:27  
Job time : 190.152 secs



GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: January 13, 2004, 22:49:52 ; Search time 1076.82 Seconds  
(without alignments)  
9682.402 Million cell updates/sec

Title: US-09-434-382-3

Perfect score: 2958  
Sequence: 1 CGCGGCGTAGTGCAGCCGCGC.....aataagatgagttgcaa 2958

Scoring table: IDENTITY NUC  
Gapop 10.0 , Gapext 1.0

Searched: 2324096 seqs, 1762381658 residues

Total number of hits satisfying chosen parameters: 4648192

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database :

Published Applications\_NA:\*

- 1: /cgn2\_6/ptodata/1/pubpna/US07\_PUBCOMB.seq:\*
- 2: /cgn2\_6/ptodata/1/pubpna/PCR\_NEW\_PUB.seq:\*
- 3: /cgn2\_6/ptodata/1/pubpna/US06\_NEW\_PUB.seq:\*
- 4: /cgn2\_6/ptodata/1/pubpna/US06\_PUBCOMB.seq:\*
- 5: /cgn2\_6/ptodata/1/pubpna/US07\_NEW\_PUB.seq:\*
- 6: /cgn2\_6/ptodata/1/pubpna/PCRUS\_PUBCOMB.seq:\*
- 7: /cgn2\_6/ptodata/1/pubpna/US08\_NEW\_PUB.seq:\*
- 8: /cgn2\_6/ptodata/1/pubpna/US08\_PUBCOMB.seq:\*
- 9: /cgn2\_6/ptodata/1/pubpna/US09\_PUBCOMB.seq:\*
- 10: /cgn2\_6/ptodata/1/pubpna/US09\_PUBCOMB.seq:\*
- 11: /cgn2\_6/ptodata/1/pubpna/US09C\_PUBCOMB.seq:\*
- 12: /cgn2\_6/ptodata/1/pubpna/US09C\_NEW\_PUB.seq:\*
- 13: /cgn2\_6/ptodata/1/pubpna/US09\_NEW\_PUB.seq:\*
- 14: /cgn2\_6/ptodata/1/pubpna/US10\_PUBCOMB.seq:\*
- 15: /cgn2\_6/ptodata/1/pubpna/US10B\_PUBCOMB.seq:\*
- 16: /cgn2\_6/ptodata/1/pubpna/US10\_NEW\_PUB.seq:\*
- 17: /cgn2\_6/ptodata/1/pubpna/US60\_NEW\_PUB.seq:\*
- 18: /cgn2\_6/ptodata/1/pubpna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2958	100.0	2958	11	US-09-988-626-3 Sequence 3, Appl1
2	2958	100.0	2958	11	US-09-988-687-3 Sequence 3, Appl1
3	2958	100.0	2958	11	US-09-988-686-3 Sequence 3, Appl1
4	2874.4	97.2	2908	11	US-09-988-626-223 Sequence 223, App
5	2874.4	97.2	2908	11	US-09-988-687-223 Sequence 223, App
6	2874.4	97.2	2908	11	US-09-988-686-223 Sequence 223, App
7	2882.4	95.4	2907	12	US-10-108-2604-282 Sequence 282, App
8	2819.6	95.3	2892	11	US-09-988-626-225 Sequence 225, App
9	2819.6	95.3	2892	11	US-09-988-687-225 Sequence 225, App
10	2819.6	95.3	2892	11	US-09-988-686-225 Sequence 225, App
11	2481	83.9	2481	11	US-09-988-626-1 Sequence 1, Appl1
12	2481	83.9	2481	11	US-09-988-687-1 Sequence 1, Appl1
13	2481	83.9	2481	11	US-09-988-686-1 Sequence 1, Appl1
14	1645.6	55.6	2470	11	US-09-988-626-221 Sequence 221, App
15	1645.6	55.6	2470	11	US-09-988-687-221 Sequence 221, App

16	1645.6	55.6	2470	11	US-09-988-686-221 Sequence 221, App
17	734.8	22.8	783	10	US-09-833-381-2039 Sequence 2039, Ap
18	657.2	22.2	26664	11	US-09-988-626-28 Sequence 28, Appl
19	657.2	22.2	26664	11	US-09-988-687-28 Sequence 28, Appl
20	657.2	22.2	26664	11	US-09-988-686-28 Sequence 28, Appl
21	655	22.1	655	11	US-09-988-626-27 Sequence 27, Appl
22	655	22.1	655	11	US-09-988-687-27 Sequence 27, Appl
23	655	22.1	655	11	US-09-988-686-27 Sequence 27, Appl
24	470.4	15.9	536	10	US-09-833-381-2038 Sequence 2038, Ap
25	470.4	14.6	554	11	US-09-918-995-8996 Sequence 8996, Ap
26	297.4	10.1	350	11	US-09-988-626-210 Sequence 210, App
27	297.4	10.1	350	11	US-09-988-687-210 Sequence 210, App
28	297.4	10.1	350	11	US-09-988-686-210 Sequence 210, App
29	295	10.0	295	11	US-09-988-626-4 Sequence 4, Appl1
30	295	10.0	295	11	US-09-988-687-4 Sequence 4, Appl1
31	295	10.0	295	11	US-09-988-686-4 Sequence 4, Appl1
32	237	8.0	238	11	US-09-879-536-315 Sequence 315, App
33	145	4.9	145	11	US-09-988-626-26 Sequence 26, Appl
34	145	4.9	145	11	US-09-988-687-26 Sequence 26, Appl
35	145	4.9	145	11	US-09-988-686-26 Sequence 26, Appl
36	139	4.7	139	11	US-09-988-626-16 Sequence 16, Appl
37	139	4.7	139	11	US-09-988-626-20 Sequence 20, Appl
38	139	4.7	139	11	US-09-988-687-16 Sequence 16, Appl
39	139	4.7	139	11	US-09-988-687-20 Sequence 20, Appl
40	139	4.7	139	11	US-09-988-686-16 Sequence 16, Appl
41	139	4.7	139	11	US-09-988-686-20 Sequence 20, Appl
42	121	4.1	121	11	US-09-988-626-24 Sequence 24, Appl
43	121	4.1	121	11	US-09-988-687-24 Sequence 24, Appl
44	121	4.1	121	11	US-09-988-686-24 Sequence 24, Appl
45	120	4.1	120	11	US-09-988-626-10 Sequence 10, Appl

ALIGNMENTS

RESULT 1  
US-09-988-626-3  
; Sequence 3, Application US/09988626  
; Publication No. US20030044959A1  
; GENERAL INFORMATION:  
; APPLICANT: Tavetigian, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
; FILE REFERENCE: 2318-258  
; CURRENT FILING DATE: 2001-11-20  
; PRIOR APPLICATION NUMBER: US/09/988, 626  
; PRIOR FILING DATE: 2000-05-05  
; PRIOR APPLICATION NUMBER: US 60/107,468  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR APPLICATION NUMBER: 09/434,382  
; PRIOR FILING DATE: 1999-11-05  
; NUMBER OF SEQ ID NOS: 240  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 3  
; LENGTH: 2958  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; NAME/KEY: misc feature  
; FEATURE:  
; OTHER INFORMATION: (51) (2531)  
; OTHER INFORMATION: coding sequence as in SEQ ID NO:1  
US-09-988-626-3

Query Match 100.0%; Score 2958; DB 11; Length 2958;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 2958; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 CGCGGCGTAGTGCAGCCGCGCGCTTTCACAGTTTGTGTGAGACGGCGCATGTGGCGC 60

|||||  
1 CGCGGGCGTAGAGTCCGGCGGCTTCTCAGTTTGTGTGAGACGGGCGCATGATGGCGCC 60  
61 TTTGTCTGCTGTGGGTCCTGGGCGCGGACGACCATGTGCGAGGGAGCGCATATATGCG 120  
61 TTTGTCTGCTGTGGGTCCTGGGCGCGGACGACCATGTGCGAGGGAGCGCATATATGCG 120  
121 AGGCAACCGCGCGCGCGGACGCGGCGGACGCGGCGGACCTTGCGGAGACTTGCGCGCGAG 180  
121 AGGCAACCGCGCGCGCGGACGCGGCGGACGCGGCGGACCTTGCGGAGACTTGCGCGCGAG 180  
181 AGAAGCGCGGACCGTGGGCTGCTCGGCGGCGGACGCGGCGGACCTTGCGGAGACTTGCG 240  
181 AGAAGCGCGGACCGTGGGCTGCTCGGCGGCGGACGCGGCGGACCTTGCGGAGACTTGCG 240  
241 CAGCGGCTGACCGGCGGACCTGGGCGGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 300  
241 CAGCGGCTGACCGGCGGACCTGGGCGGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 300  
301 TCTTCACTGTGAGAGAGCGTTTCAAGAGACTCATGACGAGACCAAGTTAAAGTTGCTC 360  
301 TCTTCACTGTGAGAGAGCGTTTCAAGAGACTCATGACGAGACCAAGTTAAAGTTGCTC 360  
361 GCTTGAACATATATCTGACACGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 420  
361 GCTTGAACATATATCTGACACGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 420  
421 TGAATCTTATTTAAAGAGAACCGGCTTCCAAAGTGTACTTTCTGAGCTTCCCAAC 480  
421 TGAATCTTATTTAAAGAGAACCGGCTTCCAAAGTGTACTTTCTGAGCTTCCCAAC 480  
481 TGGAAAAATACCTCGAAGCAATCAAAATATTTCTGCTCATTTGAAGAGATGAAGTGG 540  
481 TGGAAAAATACCTCGAAGCAATCAAAATATTTCTGCTCATTTGAAGAGATGAAGTGG 540  
541 CTGTGGGCGCCCACTGTGCGGCAATACGAGATGAACCATGACATTTTACCATTC 600  
541 CTGTGGGCGCCCACTGTGCGGCAATACGAGATGAACCATGACATTTTACCATTC 600  
601 CCATTCACAGTAAACGAGAGAGGAGGAGAACCAACCATGCGAGTCCAGAAAGGCGTC 660  
601 CCATTCACAGTAAACGAGAGAGGAGGAGAACCAACCATGCGAGTCCAGAAAGGCGTC 660  
661 TCAGCAGGCTCAGTCCAGAGCATCTTCAAGCTCGAGTGAATGAATGAAGCCACAC 720  
661 TCAGCAGGCTCAGTCCAGAGCATCTTCAAGCTCGAGTGAATGAATGAAGCCACAC 720  
721 TTCACATGCTGTAGCCAGAGAGAGGAGTCAAGGACTCTTCCCTGCTGTAAGCTTTCA 780  
721 TTCACATGCTGTAGCCAGAGAGAGGAGTCAAGGACTCTTCCCTGCTGTAAGCTTTCA 780  
781 TCTGTAAAGCTTCACTTAAAGAGAGAACTTCTGCTGCTCAAGAGAGAGAGAGAGAG 840  
781 TCTGTAAAGCTTCACTTAAAGAGAGAACTTCTGCTGCTCAAGAGAGAGAGAGAGAG 840  
841 TCCCAAGTGGAGCAGCTGCGCATGCTCCCATCATCTGCTGCTGCTGCTGCTGCTGCTG 900  
841 TCCCAAGTGGAGCAGCTGCGCATGCTCCCATCATCTGCTGCTGCTGCTGCTGCTGCTG 900  
901 TCACTCATGAGAGAGAGAGATTTTGGCTGAAGAGCTGTGTACTCTCCAGATCTCGTGG 960  
901 TCACTCATGAGAGAGAGAGATTTTGGCTGAAGAGCTGTGTACTCTCCAGATCTCGTGG 960  
961 CTGCTTTTGTGTGTGAGATGTCCAGATGAAGCTTCAATCCATCTGTGAAGAG 1020  
961 CTGCTTTTGTGTGTGAGATGTCCAGATGAAGCTTCAATCCATCTGTGAAGAG 1020  
1021 CCACCTTTAGAGAGTCAAG 1080  
1021 CCACCTTTAGAGAGTCAAG 1080  
1081 CCCACAGCATCTGTGCTGTGTGAGACGAGAGTCCAGAGTGAATGAAGAGTTGGGCTG 1140  
1081 CCCACAGCATCTGTGCTGTGTGAGACGAGAGTCCAGAGTGAATGAAGAGTTGGGCTG 1140

1081 CCCACAGCATCTGTGCTGTGTGAGACGAGAGTCAAGAGTGAATGAAGAGTTGGGCTG 1140  
1141 ACACCCAGCATCTGTGCTGTGTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1200  
1141 ACACCCAGCATCTGTGCTGTGTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1200  
1201 AGATTCAAACCCAGCTCAACCTCATCCACCGGAGATCTTCCCTGCTCACAGTTTCC 1260  
1201 AGATTCAAACCCAGCTCAACCTCATCCACCGGAGATCTTCCCTGCTCACAGTTTCC 1260  
1261 GCTGTAAAG 1320  
1261 GCTGTAAAG 1320  
1321 AGTACACAGCTCCGCTCCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1380  
1321 AGTACACAGCTCCGCTCCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1380  
1381 AGGAATTCATAGTTGAG 1440  
1381 AGGAATTCATAGTTGAG 1440  
1441 GGAAG 1500  
1441 GGAAG 1500  
1501 TCTTCTTGTGAACAGAGGCTCTGCACTCCGATGAAGATTCGAATGTCAAGTGCACAT 1560  
1501 TCTTCTTGTGAACAGAGGCTCTGCACTCCGATGAAGATTCGAATGTCAAGTGCACAT 1560  
1561 TCACATTAAGCCCCGACAGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1620  
1561 TCACATTAAGCCCCGACAGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1620  
1621 TGTGCGCTCATTAAG 1680  
1621 TGTGCGCTCATTAAG 1680  
1681 TGTCCCATCTGACAGCAATCAACAGAGGCTTCCAAAGTATCTTGTGCGAGAGAGAC 1740  
1681 TGTCCCATCTGACAGCAATCAACAGAGGCTTCCAAAGTATCTTGTGCGAGAGAGAC 1740  
1741 GCGCCTTGGCATCTTTGGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1800  
1741 GCGCCTTGGCATCTTTGGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1800  
1801 TCAAGCCTGCTCCAG 1860  
1801 TCAAGCCTGCTCCAG 1860  
1861 TGAATCTTGCCTGCAAG 1920  
1861 TGAATCTTGCCTGCAAG 1920  
1921 TGAATCAGTTGCTGTGCGAAGATGTGAAGAGTTTCAAGCTGTCTGTGGCGG 1980  
1921 TGAATCAGTTGCTGTGCGAAGATGTGAAGAGTTTCAAGCTGTCTGTGGCGG 1980  
1981 ACTGCAAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2040  
1981 ACTGCAAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2040  
2041 CCGGGGACACCATGCTGCGAGAGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2100  
2041 CCGGGGACACCATGCTGCGAGAGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2100  
2101 TACATGAAGCCACCTGGAAGATGTGTTGAAGAGAGAGAGAGAGAGAGAGAGAGAG 2160  
2101 TACATGAAGCCACCTGGAAGATGTGTTGAAGAGAGAGAGAGAGAGAGAGAGAGAG 2160  
2161 CAACGTCCTCAAGCATCAAGCTGTGGAGATGCGGATGAAGCGGAGTTCAATATGCTGA 2220  
2161 CAACGTCCTCAAGCATCAAGCTGTGGAGATGCGGATGAAGCGGAGTTCAATATGCTGA 2220

QY 2221 ACTTCAGCCAGCGCTATGCGCAAGGTCCCTCTTTCAGCCCACTTCAGCGAAGATGG 2280  
 Db 2221 ACTTCAGCGACGCGTATGCGCAAGGTCCCTCTTTCAGCCCACTTCAGCGAAGATGG 2280  
 QY 2281 GAGTTGCTTTGACCAATGAAGTCTGCTTTGAGACTTTTCAACAAATGCCAAGCTGA 2340  
 Db 2281 GAGTTGCTTTGACCAATGAAGTCTGCTTTGAGACTTTTCAACAAATGCCAAGCTGA 2340  
 QY 2341 TTCCCCCACTGAAGCCCTGTTTGTGCGCATGTAGAGAGATGAGAGAGCGCAGAGAGA 2400  
 Db 2341 TTCCCCCACTGAAGCCCTGTTTGTGCGCATGTAGAGAGATGAGAGAGCGCAGAGAGA 2400  
 QY 2401 AGCGGAGCTGCGGAGGTGCGGCGGCTCTCTTCCAGGAGCTGCGAGCGGCTGG 2460  
 Db 2401 AGCGGAGCTGCGGAGGTGCGGCGGCTCTCTTCCAGGAGCTGCGAGCGGCTGG 2460  
 QY 2461 AGGATGGGAGCCTCAGCAAGAGCGGCGCACAAGAGAGCCACAGGCGCAAGAGTCA 2520  
 Db 2461 AGGATGGGAGCCTCAGCAAGAGCGGCGCACAAGAGAGCCACAGGCGCAAGAGTCA 2520  
 QY 2521 GAGCCCACTGAAGATCTGAGAGACCTTGAACCTGAGAGGCTGTGTCTTCTGCCCAAG 2580  
 Db 2521 GAGCCCACTGAAGATCTGAGAGACCTTGAACCTGAGAGGCTGTGTCTTCTGCCCAAG 2580  
 QY 2581 CACGCAACCGTATCTGCGCTCTCTGCTGAGAACTGAAAGAGCAGGCTCCCAAGAGAG 2640  
 Db 2581 CACGCAACCGTATCTGCGCTCTCTGCTGAGAACTGAAAGAGCAGGCTCCCAAGAGAG 2640  
 QY 2641 CAGCTCAGGATAGTGTATGAGAGCTGTGCGGAGCTTGGGCTCCCAATGAAGACTAGT 2700  
 Db 2641 CAGCTCAGGATAGTGTATGAGAGCTGTGCGGAGCTTGGGCTCCCAATGAAGACTAGT 2700  
 QY 2701 CTATGATAGCTCTTGAAGATGCTGCTGCGCAACCGCGCGCGCGAGAGGCTGCCACAG 2760  
 Db 2701 CTATGATAGCTCTTGAAGATGCTGCTGCGCAACCGCGCGCGCGAGAGGCTGCCACAG 2760  
 QY 2761 GAGCAAGCAGATGAATTAATTTCAATTCAGAGCGAGTTTAAAGAGTCTGAAACAG 2820  
 Db 2761 GAGCAAGCAGATGAATTAATTTCAATTCAGAGCGAGTTTAAAGAGTCTGAAACAG 2820  
 QY 2821 ACGGCGGACCTTCTCTTAATTCAGCAAGAGTATTCCTGCGACACAGAGCAAGAGCA 2880  
 Db 2821 ACGGCGGACCTTCTCTTAATTCAGCAAGAGTATTCCTGCGACACAGAGCAAGAGCA 2880  
 QY 2881 GTAACAGATCAGTGGGTCTAAGTGTCCGAGACTTAACGAAATAGTATTTCACTGCAA 2940  
 Db 2881 GTAACAGATCAGTGGGTCTAAGTGTCCGAGACTTAACGAAATAGTATTTCACTGCAA 2940  
 QY 2941 TAAAGATTGAGTTGCAA 2958  
 Db 2941 TAAAGATTGAGTTGCAA 2958

## RESULT 2

US-09-988-687-3  
 ; Sequence 3, Application US/09988687  
 ; Publication No. US2003045704A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Tavligian, Sean V.  
 ; APPLICANT: Teng, David H. F.  
 ; APPLICANT: Simard, Jacques  
 ; APPLICANT: Remmen, Johanna M.  
 ; APPLICANT: Myriad Genetics, Inc.  
 ; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
 ; FILE REFERENCE: 2318-258  
 ; CURRENT APPLICATION NUMBER: US/09/988,687  
 ; PRIOR FILING DATE: 2001-11-20  
 ; PRIOR APPLICATION NUMBER: 09/564,805  
 ; PRIOR FILING DATE: 2000-05-05  
 ; PRIOR APPLICATION NUMBER: US 60/107,468  
 ; PRIOR FILING DATE: 1998-11-06

; PRIOR APPLICATION NUMBER: 09/434,382  
 ; PRIOR FILING DATE: 1999-11-05  
 ; NUMBER OF SEQ ID NOS: 240  
 ; SOFTWARE: Patent In Ver. 2.0  
 ; SEQ ID NO 3  
 ; LENGTH: 2958  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; FEATURE:  
 ; NAME/KEY: misc feature  
 ; LOCATION: (51)-(2531)  
 ; OTHER INFORMATION: coding sequence as in SEQ ID NO:1  
 US-09-988-687-3

Query Match 100.0%; Score 2958; DB 11; Length 2958;  
 Best Local Similarity 100.0%; Pred. No. 0;  
 Matches 2958; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGCGGCGTGAAGTGAACCGCGCGCTTTCAGTTTGTGAGACCGGCGCATGTGGGCGC 60  
 Db 1 CGCGGCGTGAAGTGAACCGCGCGCTTTCAGTTTGTGAGACCGGCGCATGTGGGCGC 60  
 QY 61 TTTGCTGCTGCTGCGGTTCGCGCGCGCGAGCCATGTCGAGAGAGCACATATGCG 120  
 Db 61 TTTGCTGCTGCTGCGGTTCGCGCGCGCGAGCCATGTCGAGAGAGCACATATGCG 120  
 QY 121 AGGCAACCGCGCGCGCGAGGCGCGCGAGAGACCGGCTGCGGCACTGCGCACGCGAG 180  
 Db 121 AGGCAACCGCGCGCGCGAGGCGCGCGAGAGACCGGCTGCGGCACTGCGCACGCGAG 180  
 QY 181 AGAAGCGGAGACCGTGGGAGTCTCCGCGCGCGCCAAACACCGGTATCCTGAGGTGCG 240  
 Db 181 AGAAGCGGAGACCGTGGGAGTCTCCGCGCGCGCCAAACACCGGTATCCTGAGGTGCG 240  
 QY 241 CAGCGGATAGCCGAGACTCGGCGCGCGCTCTACGCTTCTCCGAGTTCAACCGGTATC 300  
 Db 241 CAGCGGATAGCCGAGACTCGGCGCGCGCTCTACGCTTCTCCGAGTTCAACCGGTATC 300  
 QY 301 TCTTCACTGAGAGAGCGGCTTCAAGATCAATGACAGAGACCAAGTTAAAGTTGCTC 360  
 Db 301 TCTTCACTGAGAGAGCGGCTTCAAGATCAATGACAGAGACCAAGTTAAAGTTGCTC 360  
 QY 361 GCTGAGCAATATTTCTGACAGCAATGACCTGCTTAATGTTGGGGCTTAAAGTGA 420  
 Db 361 GCTGAGCAATATTTCTGACAGCAATGACCTGCTTAATGTTGGGGCTTAAAGTGA 420  
 QY 421 TGATTTCTTAAAGGAAACCGGCGCTTCAAGTGTATCTTCTGAGCTCCACAAC 480  
 Db 421 TGATTTCTTAAAGGAAACCGGCGCTTCAAGTGTATCTTCTGAGCTCCACAAC 480  
 QY 481 TGAAGAAATACCTGGAACCAATCAAAATTTCTGCTCAATGAAGAAATGAATGAG 540  
 Db 481 TGAAGAAATACCTGGAACCAATCAAAATTTCTGCTCAATGAAGAAATGAATGAG 540  
 QY 541 CTGTGCGGCGCCACTCTGCGCGAGATACGAGATGAACCATGACAGTTTACAGATCC 600  
 Db 541 CTGTGCGGCGCCACTCTGCGCGAGATACGAGATGAACCATGACAGTTTACAGATCC 600  
 QY 601 CCATACAGTGAACAGAGAGGAGAAAGCAACCAATGCGAGAGTCCAGAAAGGCTC 660  
 Db 601 CCATACAGTGAACAGAGAGGAGAAAGCAACCAATGCGAGAGTCCAGAAAGGCTC 660  
 QY 661 TCAGAGGCTCAGTCCAGAGGATCTTCACTCCGAGTCAATGAATGAAGCCACACC 720  
 Db 661 TCAGAGGCTCAGTCCAGAGGATCTTCACTCCGAGTCAATGAATGAAGCCACACC 720  
 QY 721 TTCCCATGTTGTTAGCCAGAGAGGAGTCAAGGACTTCTCCGTGCTGAGTTTCA 780  
 Db 721 TTCCCATGTTGTTAGCCAGAGAGGAGTCAAGGACTTCTCCGTGCTGAGTTTCA 780  
 QY 781 TCTGTAAGCTTCACTTAAAGAGAGAACTTCTGCTGCTCAAGCAAGAGATGGGCG 840  
 Db 781 TCTGTAAGCTTCACTTAAAGAGAGAACTTCTGCTGCTCAAGCAAGAGATGGGCG 840

841 TCCAGTTGGAGACAGTGCATCGCTCCCATCTGCTGTCAAGACGGGAAAAGCA 900  
841 TCCAGTTGGAGACAGTGCATCGCTCCCATCTGCTGTCAAGACGGGAAAAGCA 900  
901 TCACATCATGAAAGAAAGAGATTTTGGCTGAAAGCTGTGTACTCTCCAGATCCTGTG 960  
901 TCACATCATGAAAGAAAGAGATTTTGGCTGAAAGCTGTGTACTCTCCAGATCCTGTG 960  
961 CTGCTTTTGTGTGTGAAGATGTCCAGATGAAGCTTCAATCCCATCTGTGAAGATG 1020  
961 CTGCTTTTGTGTGTGAAGATGTCCAGATGAAGCTTCAATCCCATCTGTGAAGATG 1020  
1021 CCACCTTTGAGAGATGCAAGAAAGACAGATGCCCCCTGGCTTGTGTGTCAATG 1080  
1021 CCACCTTTGAGAGATGCAAGAAAGACAGATGCCCCCTGGCTTGTGTGTCAATG 1080  
1081 CCCAGCATCTGTGCTTGTGACAGAGGTATCCAGATGATGAGAGCTTTGGGCTG 1140  
1081 CCCAGCATCTGTGCTTGTGACAGAGGTATCCAGATGATGAGAGCTTTGGGCTG 1140  
1141 AACCCAGACATTTGTGCTTGAATGAAATGTGCTCAATTCACAACTTCCAGACACA 1200  
1141 AACCCAGACATTTGTGCTTGAATGAAATGTGCTCAATTCACAACTTCCAGACACA 1200  
1201 AGATTCAAAACCAAGCTCAACCTCATCCAGACATCTTCCCTGCTCAGCAGTTTCC 1260  
1201 AGATTCAAAACCAAGCTCAACCTCATCCAGACATCTTCCCTGCTCAGCAGTTTCC 1260  
1261 GCTGTAAAGAGAGGGGCCCACTCAGTGTGCTCAGTGTGAGGTGAATGCTCTCTCA 1320  
1261 GCTGTAAAGAGAGGGGCCCACTCAGTGTGCTCAGTGTGAGGTGAATGCTCTCTCA 1320  
1321 AGTACCAAGTCCGCTCCAGAGAGAGTGCAGAGGATGCCATTAATCTTGAATCCG 1380  
1321 AGTACCAAGTCCGCTCCAGAGAGAGTGCAGAGGATGCCATTAATCTTGAATCCG 1380  
1381 AGCAATTCATAGTTGAGGCGCTGACAGCTTCCCACTTCCAGACAGACGTCAGAGTACA 1440  
1381 AGCAATTCATAGTTGAGGCGCTGACAGCTTCCCACTTCCAGACAGACGTCAGAGTACA 1440  
1441 GGAGGAGTGCAGAGACGGGCCAGCCCAAGAGAAAGAAAGTCAAGTACCCAGAAATCA 1500  
1441 GGAGGAGTGCAGAGACGGGCCAGCCCAAGAGAAAGAAAGTCAAGTACCCAGAAATCA 1500  
1501 TCTTCTTTGGAACAGGGTCTGCCATCCCATGAAGTTGAAATGTCAATGCCACACTG 1560  
1501 TCTTCTTTGGAACAGGGTCTGCCATCCCATGAAGTTGAAATGTCAATGCCACACTG 1560  
1561 TCACATTAAGCCCGACACGCTCTCTGCTACTGAGCTGTGAGGGCACAATTGGGACAG 1620  
1561 TCACATTAAGCCCGACACGCTCTCTGCTACTGAGCTGTGAGGGCACAATTGGGACAG 1620  
1621 TGTGCGGTCAATTCGAGACAGAGTGAAGAGGTCTGGGACCTTGGCTGTGTGTTG 1680  
1621 TGTGCGGTCAATTCGAGACAGAGTGAAGAGGTCTGGGACCTTGGCTGTGTGTTG 1680  
1681 TGTGCCACTGACCGAGATCACACACGGGCTTGCAGAGTCTTGTGACAGAGAAAC 1740  
1681 TGTGCCACTGACCGAGATCACACACGGGCTTGCAGAGTCTTGTGACAGAGAAAC 1740  
1741 GGGCTTTGGCATCTTTGGGAAAGCCGCTTCAACCTTGTGCTGTGTGCCCCCAACAG 1800  
1741 GGGCTTTGGCATCTTTGGGAAAGCCGCTTCAACCTTGTGCTGTGTGCCCCCAACAG 1800  
1801 TCACAGCTGTGCTCAGACAGTACACACAGTGCAGAGGTCTGACACACATCAGTA 1860  
1801 TCACAGCTGTGCTCAGACAGTACACACAGTGCAGAGGTCTGACACACATCAGTA 1860  
1861 TGATTTCTGCGCAATGCTTTCAAGAAAGGGCTGAATCTTCAATCTTGCAGTGAAGAT 1920  
1861 TGATTTCTGCGCAATGCTTTCAAGAAAGGGCTGAATCTTCAATCTTGCAGTGAAGAT 1920  
1861 TGATTTCTGCGCAATGCTTTCAAGAAAGGGCTGAATCTTCAATCTTGCAGTGAAGAT 1920

1921 TGATCAGTTCCGCTGTGTCGAAACATGTGATTTGAAAGATTTCAACCTGTCTGTGCGG 1980  
1921 TGATCAGTTCCGCTGTGTCGAAACATGTGATTTGAAAGATTTCAACCTGTCTGTGCGG 1980  
1981 ACTGAAACATACGCTTTGGCTGTGGGCTGTGGACACCTCTGGGCTGAAAGTGTCTATT 2040  
1981 ACTGAAACATACGCTTTGGCTGTGGGCTGTGGACACCTCTGGGCTGAAAGTGTCTATT 2040  
2041 CCGGGAGACATGCGCTGTGACAGAGCTGTGCTCCGATGGGGAAGATGCCACCTCTGA 2100  
2041 CCGGGAGACATGCGCTGTGACAGAGCTGTGCTCCGATGGGGAAGATGCCACCTCTGA 2100  
2101 TACATGAAGCAACCTTGGAGATGTTTGAAGAGAAACAGTGAAGAAAGACACACAGA 2160  
2101 TACATGAAGCAACCTTGGAGATGTTTGAAGAGAAACAGTGAAGAAAGACACACAGA 2160  
2161 CAACGCTCCAAAGCATTCAGCGGTGGGAGATGGGATGAACGGGAGTTCAATATGTGAAC 2220  
2161 CAACGCTCCAAAGCATTCAGCGGTGGGAGATGGGATGAACGGGAGTTCAATATGTGAAC 2220  
2221 ACTTCAAGCAGGCTATGCTCAAGATGCCCTCTTTCAGGCCCAACTTCAAGCAAGATGG 2280  
2221 ACTTCAAGCAGGCTATGCTCAAGATGCCCTCTTTCAGGCCCAACTTCAAGCAAGATGG 2280  
2281 GAGTTGCTTTGACCAATGAAGGTCTGCTTTGAGACTTTTCCAAATGCCCCAAGCTGA 2340  
2281 GAGTTGCTTTGACCAATGAAGGTCTGCTTTGAGACTTTTCCAAATGCCCCAAGCTGA 2340  
2341 TTCCCCCACTGAAGCCCTGTTTGTGCGGACATGAGAGAGATGAGAGGCGCAGAGAGA 2400  
2341 TTCCCCCACTGAAGCCCTGTTTGTGCGGACATGAGAGAGATGAGAGGCGCAGAGAGA 2400  
2401 AGCGGAGCTGCGGAGGTGCGGCGGCGCTCTCTGTCAGAGAGCTTGACAGCGGCTGG 2460  
2401 AGCGGAGCTGCGGAGGTGCGGCGGCGCTCTCTGTCAGAGAGCTTGACAGCGGCTGG 2460  
2461 AGGATGGGAGGCTTCAAGCAAGACCGGCGCCACACAGAGAGCAACAGGCCAAGAGTCA 2520  
2461 AGGATGGGAGGCTTCAAGCAAGACCGGCGCCACACAGAGAGCAACAGGCCAAGAGTCA 2520  
2521 GAGCCAGTGAAGATCTGGGAGACCTGAACCTCAAGAGCTGTGTCTTGTGCCACAG 2580  
2521 GAGCCAGTGAAGATCTGGGAGACCTGAACCTCAAGAGCTGTGTCTTGTGCCACAG 2580  
2581 CAGCTCAGGATGAGTGTGATGAGCTGTGCCAGGCTTGGGCTCCACATTAAGCACTAGT 2700  
2581 CAGCTCAGGATGAGTGTGATGAGCTGTGCCAGGCTTGGGCTCCACATTAAGCACTAGT 2700  
2701 CTAATGATGCGCTTAAGACTGTGTGCTGTGACACAGCGGCGGCGAGAGGCTGCCACAG 2760  
2701 CTAATGATGCGCTTAAGACTGTGTGCTGTGACACAGCGGCGGCGAGAGGCTGCCACAG 2760  
2761 GAAAGCAAGAGATGAATTAATTTCAATTCAGGCAAGTTTAAAGAGTCTTGAAGACG 2820  
2761 GAAAGCAAGAGATGAATTAATTTCAATTCAGGCAAGTTTAAAGAGTCTTGAAGACG 2820  
2821 ACGGGGCGACCTTCTCTTAATCCAGCAAGATGATTCCTGTGACACAGAGCAAGCAGA 2880  
2821 ACGGGGCGACCTTCTCTTAATCCAGCAAGATGATTCCTGTGACACAGAGCAAGCAGA 2880  
2881 GTAACAGATTCAGTGTGTATAGTCCGAGACTTAAGAAATGTATTTAGCTGCAA 2940  
2881 GTAACAGATTCAGTGTGTATAGTCCGAGACTTAAGAAATGTATTTAGCTGCAA 2940  
2941 TAAAGATTGAGTTTGCAG 2958  
2941 TAAAGATTGAGTTTGCAG 2958







Db 241 AACGGTATCTCTTCACTGTGAGAGGACATTCAGAGACTCAGAGACCAAGTTA 300  
Qy 351 AAGGTGCTGCGCTGAGACACATATTTCTGACACGATGCACTGCTATATGTTGGGCG 410  
Db 301 AAGGTGCTGCGCTGAGACACATATTTCTGACACGATGCACTGCTATATGTTGGGCG 360  
Qy 411 TTAAGTGAATGATTTCTTAAAGGAAACCGGGCTTCCAAAGTGTGATCTTTGCGA 470  
Db 361 TTAAGTGAATGATTTCTTAAAGGAAACCGGGCTTCCAAAGTGTGATCTTTGCGA 420  
Qy 471 CCTCCACAACTGGAATAATCTCGAAGCATCAAAATTTTCTGTGTCATTTGAAGA 530  
Db 421 CCTCCACAACTGGAATAATCTCGAAGCATCAAAATTTTCTGTGTCATTTGAAGA 480  
Qy 531 ATGAACTGGGCTGTGCGGCGCCACTCTGCCCAGAAATGAGGATGAACATGACAGT 590  
Db 481 ATGAACTGGGCTGTGCGGCGCCACTCTGCCCAGAAATGAGGATGAACATGACAGT 540  
Qy 591 TACCAAGATCCCATATCACAGTGAACAGAGGGGAAACCAACATGCGAGATCCA 650  
Db 541 TACCAAGATCCCATATCACAGTGAACAGAGGGGAAACCAACATGCGAGATCCA 600  
Qy 651 GAAAGGCTCTGAGAGGCTCAGTCCAGAGCGATTTTCAACTCCGAGTCGATGAAT 710  
Db 601 GAAAGGCTCTGAGAGGCTCAGTCCAGAGCGATTTTCAACTCCGAGTCGATGAAT 660  
Qy 711 GAGGCACACTTCCACATGTTGTTAGCAGAGAAAGGGGTCAAGGACTTCCCTGGTC 770  
Db 661 GAGGCACACTTCCACATGTTGTTAGCAGAGAAAGGGGTCAAGGACTTCCCTGGTC 720  
Qy 771 GTAGCTTTCATCTGTAACTTCACTTAAAGAGAGAACTTCTGTGCTCAAGCAAG 830  
Db 721 GTAGCTTTCATCTGTAACTTCACTTAAAGAGAGAACTTCTGTGCTCAAGCAAG 780  
Qy 831 GAGATGGGCTCTCCAGTTGGGACAGCTGCGCTCCCATATTTGCTGTCTCAAGAC 890  
Db 781 GAGATGGGCTCTCCAGTTGGGACAGCTGCGCTCCCATATTTGCTGTCTCAAGAC 840  
Qy 891 GGGAAACATCATCACTGAAGAGAGAGATTTTGGCTGAAGACTGTGATCTCTCA 950  
Db 841 GGGAAACATCATCACTGAAGAGAGAGATTTTGGCTGAAGACTGTGATCTCTCA 900  
Qy 951 GATCCTGTGCTGCTTTTGTGGTGTAGAAATGTCAGATGAAGGCTTCAATCAACCA 1010  
Db 901 GATCCTGTGCTGCTTTTGTGGTGTAGAAATGTCAGATGAAGGCTTCAATCAACCA 960  
Qy 1011 TGTGGAATGCGCACTTTCAAGGTACCAAGGAAAGGAGATGCCCCGTGGCTTGGTG 1070  
Db 961 TGTGGAATGCGCACTTTCAAGGTACCAAGGAAAGGAGATGCCCCGTGGCTTGGTG 1020  
Qy 1071 GTTCATATGGGCCCCGCACTGTGTGTTGTGACACAGGTACACAGATGTGATGAGAG 1130  
Db 1021 GTTCATATGGGCCCCGCACTGTGTGTTGTGACACAGGTACACAGATGTGAGAG 1080  
Qy 1131 TTTGGGCTGACACCCAGCACTTGGTCTGAATGAACTGTGCTCAGTTCAACCTT 1190  
Db 1081 TTTGGGCTGACACCCAGCACTTGGTCTGAATGAACTGTGCTCAGTTCAACCTT 1140  
Qy 1191 CGCAGCCCAAGATTCAAACCCAGCTCAACCTCATCCACCCGAGCATTTCCCTGCTC 1250  
Db 1201 CGCAGCCCAAGATTCAAACCCAGCTCAACCTCATCCACCCGAGCATTTCCCTGCTC 1200  
Qy 1251 ACCAGTTTCCGCTGTGAAGAGAGGCCCCACCTCAGTGTGCCATGGTTTCAAGGTGA 1310  
Db 1201 ACCAGTTTCCGCTGTGAAGAGAGGCCCCACCTCAGTGTGCCATGGTTTCAAGGTGA 1260  
Qy 1311 TGCCCTCTCAAGTACAGCTCCGTCCTCAGAGAGGATGGCAGAGGATTCATTTACT 1370  
Db 1261 TGCCCTCTCAAGTACAGCTCCGTCCTCAGAGAGGATGGCAGAGGATTCATTTACT 1320  
Qy 1371 TGCATCTCTGAGAAATTCATAGTTAGGCGCTGACGCTTCCCAATTTCCAGCAGAGCGTG 1430  
Db 1321 TGCATCTCTGAGAAATTCATAGTTAGGCGCGCTGACGCTTCCCAATTTCCAGCAGAGCGTG 1380

Qy 1431 CAGAGATACAGAGAGAGTGCAGAGACGGCCAGCCCGCAGAGAGAGAAAGATCATGAC 1490  
Db 1381 CAGAGATACAGAGAGAGTGCAGAGACGGCCAGCCCGCAGAGAGAGAAAGATCATGAC 1440  
Qy 1491 CCAGAAATCATCTTCTTGAACAGAGGTCTGCAATCCGATGAAGATTCGAAATGTCACT 1550  
Db 1441 CCAGAAATCATCTTCTTGAACAGAGGTCTGCAATCCGATGAAGATTCGAAATGTCACT 1500  
Qy 1551 GCCACACTTGTCAATGATAGCCCGGACAGTCTGCTGCTACAGTGTGAGAGGGCA 1610  
Db 1501 GCCACACTTGTCAATGATAGCCCGGACAGTCTGCTGCTACAGTGTGAGAGGGCA 1560  
Qy 1611 TTTGGGCTGAGTGGGCTCTTGAAGAGACAGGTGACAGAGGTCTGAGGACCTGAGCT 1670  
Db 1561 TTTGGGCTGAGTGGGCTCTTGAAGAGACAGGTGACAGAGGTCTGAGGACCTGAGCT 1620  
Qy 1671 GCTGTGTTGTGTCCACCTGCAAGCAGATGACACAGCGGCTTGCAGATATCTTCTG 1730  
Db 1621 GCTGTGTTGTGTCCACCTGCAAGCAGATGACACAGCGGCTTGTCTAAATATCTTGTG 1680  
Qy 1731 CAGAGAGAACGCGCTTGGCATCTTTGGGAAAGCCGCTTCAACCTTTGCTGTGTGTC 1790  
Db 1681 CAGAGAGAACGCGCTTGGCATCTTTGGGAAAGCCGCTTCAACCTTTGCTGTGTGTC 1740  
Qy 1791 CCCAACAGCTCAAGGCTGAGCAGATACCAACAGATGCGAGAGGATCTGAC 1850  
Db 1741 CCCAACAGCTCAAGGCTGAGCAGATACCAACAGATGCGAGAGGATCTGAC 1800  
Qy 1851 CACATCAGTATGATCTCTGCAAAATGCTTGAAGAAAGGGGCTGAGATCTCAGTCTGCA 1910  
Db 1801 CACATCAGTATGATCTCTGCAAAATGCTTGAAGAAAGGGGCTGAGATCTCAGTCTGCA 1860  
Qy 1911 GTGGAATATGATGATGCTGTGGGAAACATGTGATTTGGAAGATTTCAAGCTGT 1970  
Db 1861 GTGGAATATGATGATGCTGTGGGAAACATGTGATTTGGAAGATTTCAAGCTGT 1920  
Qy 1971 CTGGTCCGCACTGCAAGCAGTGTGCTGTGGTGTGCAACCTGCTGCTGAGAA 2030  
Db 1921 CTGGTCCGCACTGCAAGCAGTGTGCTGTGGTGTGCAACCTGCTGCTGAGAA 1980  
Qy 2031 GTGTCTATTTCCGGGACACCATGCTCTGCAAGCTCTGATCCGATGGGAAAGATGCC 2090  
Db 1981 GTGTCTATTTCCGGGACACCATGCTCTGCAAGCTCTGATCCGATGGGAAAGATGCC 2040  
Qy 2091 ACCCTCTGATATCATGAAGCCACCTGGAAGATGTTTGAAGAGAGCACTGGAAG 2150  
Db 2041 ACCCTCTGATATCATGAAGCCACCTGGAAGATGTTTGAAGAGAGCACTGGAAG 2100  
Qy 2151 ACACACAGCACAAGTCCCAAGCCATGACGGGTGGGATGCGGATGAAGCGGAGTTCA 2210  
Db 2101 ACACACAGCACAAGTCCCAAGCCATGACGGGTGGGATGCGGATGAAGCGGAGTTCA 2160  
Qy 2211 ATGTGAACCACTTCAAGCAGCGCTATGCAAGGTCCCCCTTCAAGCCCCAATTCAGC 2270  
Db 2161 ATGTGAACCACTTCAAGCAGCGCTATGCAAGGTCCCCCTTCAAGCCCCAATTCAGC 2220  
Qy 2271 GAGAAAGTGGAGATGCTTTGAACATGAAGGTCTGCTTTGAAGATCTTCAACATG 2330  
Db 2221 GAGAAAGTGGAGATGCTTTGAACATGAAGGTCTGCTTTGAAGATCTTCAACATG 2280  
Qy 2331 CCCAAGCTGATTTCCCACTGAAGCCGTGTTGTGCGCATGAGAGAGATGAGAGAG 2390  
Db 2281 CCCAAGCTGATTTCCCACTGAAGCCGTGTTGTGCGCATGAGAGAGATGAGAGAG 2340  
Qy 2391 CGCAGGAGAGAGCGGAGCTGCGAGGTGCGGCGGCTCTGTTCCAGGAGCTGCA 2450  
Db 2341 CGCAGGAGAGAGCGGAGCTGCGAGGTGCGGCGGCTCTGTTCCAGGAGCTGCA 2400  
Qy 2451 GCGGCTCTGAGATGGGAGCTTGAAGAGAGCGGCTTCAACAGAGAGCTCAAGGCTC 2510  
Db 2401 GCGGCTCTGAGATGGGAGCTTGAAGAGAGCGGCTTCAACAGAGAGCTCAAGGCTC 2460



Db 1141 CGAGGCCCAAGATTCAAAACCCAGCTCAACCTCATCCACCCGAGATCTTCCCTGCTC 1200  
 Qy 1251 ACCAGTTTCGGTGAAGAAGAGGGGCCCAACCTCAGTGTGCCATGGTTAGGGTAA 1310  
 Db 1201 ACCAGTTTCGGTGAAGAAGAGGGGCCCAACCTCAGTGTGCCATGGTTAGGGTAA 1260  
 Qy 1311 TGCCCTCTCAAGTACAGCTCCGTCCAGAGAGGAGTGGCAGAGGAGTCCATTTACT 1370  
 Db 1261 TGCCCTCTCAAGTACAGCTCCGTCCAGAGAGGAGTGGCAGAGGAGTCCATTTACT 1320  
 Qy 1371 TGCAATCTTGAAGAAATTAATGTTAGGGCTGCAAGCTTCCCACTTCCAGAGAGCTG 1430  
 Db 1321 TGCAATCTTGAAGAAATTAATGTTAGGGCTGCAAGCTTCCCACTTCCAGAGAGCTG 1380  
 Qy 1431 CAGAGGTACAGAGAGAGTGGCAGAGAGCGGCCAGGCCAGCAGAGAGAGAGAGTCAATAC 1490  
 Db 1381 CAGAGGTACAGAGAGAGTGGCAGAGAGCGGCCAGGCCAGCAGAGAGAGAGAGTCAATAC 1440  
 Qy 1491 CCAGAAATCATCTTCTTGGAAACAGGGTCTGCTCCAGTGAAGATTGAAATGTCAAT 1550  
 Db 1441 CCAGAAATCATCTTCTTGGAAACAGGGTCTGCTCCAGTGAAGATTGAAATGTCAAT 1500  
 Qy 1551 GCCACACTTGTCAACATTAAGCCCGACACAGTCTGTCTACTGAGACTGTGTGAGAGGACA 1610  
 Db 1501 GCCACACTTGTCAACATTAAGCCCGACACAGTCTGTCTACTGAGACTGTGTGAGAGGACA 1560  
 Qy 1611 TTTGGGAGAGCTGTGCTGCTTATTAAGAGACAGAGGTCTCTGGGACCTCTGCT 1670  
 Db 1561 TTTGGGAGAGCTGTGCTGCTTATTAAGAGACAGAGGTCTCTGGGACCTCTGCT 1620  
 Qy 1671 GCTGTGTTGTGTCCACCTGACAGAGTCAACAAGGCTTGCAGTATCTTGTGCTG 1730  
 Db 1621 GCTGTGTTGTGTCCACCTGACAGAGTCAACAAGGCTTGCAGTATCTTGTGCTG 1680  
 Qy 1731 CAGAGAGAAAGCGCTTGGCATCTTGGGAAAGCGCTTACCTTGTGTGTGTGCT 1790  
 Db 1681 CAGAGAGAAAGCGCTTGGCATCTTGGGAAAGCGCTTACCTTGTGTGTGTGCT 1740  
 Qy 1791 CCCAACAGCTTCAAGGCTGTGCTCAAGAGTACCAACAGAGTCCAGAGAGTCTCTGAC 1850  
 Db 1741 CCCAACAGCTTCAAGGCTGTGCTCAAGAGTACCAACAGAGTCCAGAGAGTCTCTGAC 1800  
 Qy 1851 CACATCAGTATGATCTCTGCCAATGCTTTCAGAGAGGGGCTGAGATCTCCAGTCTGCA 1910  
 Db 1801 CACATCAGTATGATCTCTGCCAATGCTTTCAGAGAGGGGCTGAGATCTCCAGTCTGCA 1860  
 Qy 1911 GTGAAAGATTGATGATGCTGCTGTGGAAACATGTGATTTGAAAGATTTCAGACTGT 1970  
 Db 1861 GTGAAAGATTGATGATGCTGCTGTGGAAACATGTGATTTGAAAGATTTCAGACTGT 1920  
 Qy 1971 CTGTGTGGGCACTGCAAGATGCTTGTGCTGTGCTGTGCTGCAACTCTGTGGGAA 2030  
 Db 1921 CTGTGTGGGCACTGCAAGATGCTTGTGCTGTGCTGTGCTGCAACTCTGTGGGAA 1980  
 Qy 2031 GTGTGTCTTTCGGGGGACCACTGCTGCGAGGCTGTGTGCTGCGATGGGGAAGATGCC 2090  
 Db 1981 GTGTGTCTTTCGGGGGACCACTGCTGCGAGGCTGTGTGCTGCGATGGGGAAGATGCC 2040  
 Qy 2091 ACCCTCTGATACATGAAGCCACCTGGAAGATGTTTGAAGAGAAAGCACTGGAAG 2150  
 Db 2041 ACCCTCTGATACATGAAGCCACCTGGAAGCGTTTGAAGAGAAAGCACTGGAAG 2100  
 Qy 2151 ACACACAGACACAGTCCCAAGCCATCAGCTGTGGGAGTCCGATTAACCGGAGTTCAAT 2210  
 Db 2101 ACACACAGACACAGTCCCAAGCCATCAGCTGTGGGAGTCCGATTAACCGGAGTTCAAT 2160  
 Qy 2211 ATGTGAAACCACTTGAAGCGGCTATGCAAGGTCCCTTTCAGCCCACTTCAAGC 2270  
 Db 2161 ATGTGAAACCACTTGAAGCGGCTATGCAAGGTCCCTTTCAGCCCACTTCAAGC 2220  
 Qy 2271 GAGAAAGTGGAGTTCCTTTGACCAATGAAGTCTGCTTTGAGAGCTTTCAACAATG 2330

Db 2221 GAGAAAGTGGAGTTCCTTTGACCAATGAAGTCTGCTTTGAGACTTTGCAACAAATG 2280  
 Qy 2331 CCCAAGCTGATTTCCCACTGAAAGCCCTGTTTGTGCGACATGAGAGATGAGAG 2390  
 Db 2281 CCCAAGCTGATTTCCCACTGAAAGCCCTGTTTGTGCGACATGAGAGATGAGAG 2340  
 Qy 2391 CGCAGAGGAAAGCGGAGCTGCGAGAGTGGCGGAGGCTCTCTGTCCAGAGAGCTGCA 2450  
 Db 2341 CGCAGAGGAAAGCGGAGCTGCGAGAGTGGCGGAGGCTCTCTGTCCAGAGAGCTGCA 2400  
 Qy 2451 GCGGCTCTGAGAGATGGGAGCTTCAAGAGAACCGGCTCCACACAGAGAGCTCAAGC 2510  
 Db 2401 GCGGCTCTGAGAGATGGGAGCTTCAAGAGAACCGGCTCCACACAGAGAGCTCAAGC 2460  
 Qy 2511 AAGAAAGTCAAGAGCCAGTGAAGATCTGGAGAACCTTGAACCTGAGAGGCTGTGCTT 2570  
 Db 2461 AAGAAAGTCAAGAGCCAGTGAAGATCTGGAGAACCTTGAACCTGAGAGGCTGTGCTT 2520  
 Qy 2571 TGCCCCACGACAGCAGCCGATCTGCTCTCTGCTGTGAGAACTGAAAGCAGCTC 2630  
 Db 2521 TGCCCCACGACAGCAGCCGATCTGCTCTCTGCTGTGAGAACTGAAAGCAGCTC 2580  
 Qy 2631 CCCACAGAGGAGCTCAGAGATAGTGTATGAGAGCTGTGCCAGAGCTTGGCTCCACAT 2690  
 Db 2581 CCCACAGAGGAGCTCAGAGATAGTGTATGAGAGCTGTGCCAGAGCTTGGCTCCACAT 2640  
 Qy 2691 AAGCACTGTCTATGATGCTCTTGAAGACTGTGCTGCGACAGCCGCGGCGAGAG 2750  
 Db 2641 AAGCACTGTCTATGATGCTCTTGAAGACTGTGCTGCGACAGCCGCGGCGAGAG 2700  
 Qy 2751 CTGCCACAGAGAGCAGAGCAGATGAACTTAATTTCAAGGCAAGTTTAAAGATC 2810  
 Db 2701 CTGCCACAGAGAGCAGAGCAGATGAACTTAATTTCAAGGCAAGTTTAAAGATC 2760  
 Qy 2811 TTGGAACAGACGCGGCACTTCTCTTAATCCAGCAAGTATTCCTGCAACACGA 2870  
 Db 2761 TTGGAACAGACGCGGCACTTCTCTTAATCCAGCAAGTATTCCTGCAACACGA 2820  
 Qy 2871 GACAAAGCAGATTAACAGATGATGAGGTCTAAGTCTCCAGAGCTTAAGAAATGTATT 2930  
 Db 2821 GACAAAGCAGATTAACAGATGATGAGGTCTAAGTCTCCAGAGCTTAAGAAATGTATT 2880  
 Qy 2931 TCAGCTGCAATTAAGATTGAGTTGCCAA 2958  
 Db 2881 TCAGCTGCAATTAAGATTGAGTTGCCAA 2908

RESULT 6  
 US-09-988-686-223  
 ; Sequence 223, Application US/09988686  
 ; Publication No. US20030120052A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Tavligian, Sean V.  
 ; APPLICANT: Teng, David H.F.  
 ; APPLICANT: Simard, Jacques  
 ; APPLICANT: Rommens, Johanna M.  
 ; APPLICANT: Myriad Genetics, Inc.  
 ; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
 ; FILE REFERENCE: 2318-258  
 ; CURRENT APPLICATION NUMBER: US/09/988,686  
 ; PRIOR FILING DATE: 2001-11-20  
 ; PRIOR APPLICATION NUMBER: 09/564,805  
 ; PRIOR FILING DATE: 2000-05-05  
 ; PRIOR APPLICATION NUMBER: US 60/107,468  
 ; PRIOR FILING DATE: 1998-11-06  
 ; PRIOR APPLICATION NUMBER: 09/434,382  
 ; PRIOR FILING DATE: 1999-11-05  
 ; NUMBER OF SEQ ID NOS: 240  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 223  
 ; LENGTH: 2908  
 ; TYPE: DNA



```

QY 2091 ACCCTCTGATATACATGAAGCAACCTCTGGAAGATGTTTGAAGAGAAAGCATGTGAAAAG 2150
Db 2041 ACCCTCTGATATACATGAAGCAACCTCTGGAAGATGTTTGAAGAGAAAGCATGTGAAAAG 2100
QY 2151 ACACACAGCAACAGTCCCAAGCCATCAGCTGTGGGAGATGCGGATTAAGCGGAGTTCAATT 2210
Db 2101 ACACACAGCAACAGTCCCAAGCCATCAGCTGTGGGAGATGCGGATTAAGCGGAGTTCAATT 2160
QY 2211 ATGTGAAACCACTTCAGCAGCGCTATGCAAGGTCCCCCTTCAGGCCCACTTCAGC 2270
Db 2161 ATGTGAAACCACTTCAGCAGCGCTATGCAAGGTCCCCCTTCAGGCCCACTTCAGC 2220
QY 2271 GAGAAAGTGGAGTTCCTTTGACCAATGAAGGTCTGCTTTGAGACTTTTCAACAATG 2330
Db 2221 GAGAAAGTGGAGTTCCTTTGACCAATGAAGGTCTGCTTTGAGACTTTTCAACAATG 2280
QY 2331 CCCAAGCTGATTTCCCACTGAAAGCCCTGTTTGTGCGCATGAGAGAGATGAGAGAG 2390
Db 2281 CCCAAGCTGATTTCCCACTGAAAGCCCTGTTTGTGCGCATGAGAGAGATGAGAGAG 2340
QY 2391 CGCAGGGAGAAAGCGGAGCTCGGAGGTGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG 2450
Db 2341 CGCAGGGAGAAAGCGGAGCTCGGAGGTGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG 2400
QY 2451 GCGCGGCTGAGAGATGGGAGCCTTCAGCAAGAACGCGGCCCAACAGAGAGCCACAGGCC 2510
Db 2401 GCGCGGCTGAGAGATGGGAGCCTTCAGCAAGAACGCGGCCCAACAGAGAGCCACAGGCC 2460
QY 2511 AAGAAAGTCAAGGCCCACTGAAAGATCTGGAGAGCCCTGAACCTCAGAAAGCTGTGTCTT 2570
Db 2461 AAGAAAGTCAAGGCCCACTGAAAGATCTGGAGAGCCCTGAACCTCAGAAAGCTGTGTCTT 2520
QY 2571 CTGCCCCACGACGACCGCGATCTGCGCCCTCTGCTGTGAGAACTGAAGAGCAGGATC 2630
Db 2521 CTGCCCCACGACGACCGCGATCTGCGCCCTCTGCTGTGAGAACTGAAGAGCAGGATC 2580
QY 2631 CCCAGAGAGAGAGCTCAGAGATAGTGTATGAGCTGTGCCAGGCTTTGGCTCCACAT 2690
Db 2581 CCCAGAGAGAGAGCTCAGAGATAGTGTATGAGCTGTGCCAGGCTTTGGCTCCACAT 2640
QY 2691 AAGCACTAGTCTATGATGCTCTTTAGAGCTGTGTGCGACAGCGCGGGCCAGAGG 2750
Db 2641 AAGCACTAGTCTATGATGCTCTTTAGAGCTGTGTGCGACAGCGCGGGCCAGAGG 2700
QY 2751 CTGCCACACGGAAGCAAGCAATGAATTAATTTCAATTCAGAGGCTTTTAAAGAAATC 2810
Db 2701 CTGCCACACGGAAGCAAGCAATGAATTAATTTCAATTCAGAGGCTTTTAAAGAAATC 2760
QY 2811 TTGGAACAGACGCGGACCTTTCTCTTAATCCAGAAAGTATTCCTGACACACAGA 2870
Db 2761 TTGGAACAGACGCGGACCTTTCTCTTAATCCAGAAAGTATTCCTGACACACAGA 2820
QY 2871 GACAAAGCAGATTAACAGATCAGTGGGTCTAAGTGTCCGAGACTTTAACGAAATATGAT 2930
Db 2821 GACAAAGCAGATTAACAGATCAGTGGGTCTAAGTGTCCGAGACTTTAACGAAATATGAT 2880
QY 2931 TCAGCTGCATTAAGATGAGTTTGCAA 2958
Db 2881 TCAGCTGCATTAAGATGAGTTTGCAA 2908

```

## RESULT 7

```

US-10-108-260A-282
; Sequence 282, Application US/10108260A
; Publication No. US20040005560A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. US20040005560A1e1 full length cDNA
; FILE REFERENCE: HI-A0106
; CURRENT APPLICATION NUMBER: US/10/108,260A
; NUMBER OF SEQ ID NOS: 5458
; SOFTWARE: PatentIn Ver. 2.1

```

```

; SEQ ID NO 282
; LENGTH: 2907
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-108-260A-282

Query Match      95.4%; Score 2822.4; DB 12; Length 2907;
Best Local Similarity 97.9%; Pred. No. 0;
Matches 2893; Conservative 0; Mismatches 6; Indels 57; Gaps 1;

QY 1 CGCGGCGCTAGAGTGAACCGGCGGCTTTCTCACTTTTGTGTGAGACGGGCGCATGTGGCGC 60
Db 9 CGCGGCGCTAGAGTGAACCGGCGGCTTTCTCACTTTTGTGTGAGACGGGCGCATGTGGCGC 68
QY 61 TTTGTGCTGCTGCTGCGGTGCGGCGCGGAGCAACATGTCGAGGAGGACGCAATATGCG 120
Db 69 TTTGTGCTGCTGCTGCGGTGCGGCGCGGAGCAACATGTCGAGGAGGACGCAATATGCG 128
QY 121 AGGACCCGCGCGCGCGAGCGGCGCGCAAGAACCCGCTGCGGACCTGCGCACGCGAG 180
Db 129 AGGACCCGCGCGCGCGAGCGGCGCGCAAGAACCCGCTGCGGACCTGCGCACGCGAG 188
QY 181 AGAAGCGGGAACCGTGGGGGTCTCCGCGCGCCAAACACCTGTACTGACAGTGTGG 240
Db 189 AGAAGCGGGAACCGTGGGGGTCTCCGCGCGCCAAACACCTGTACTGACAGTGTGG 248
QY 241 CAGCGGGTAAAGCGGGAACCTCGGGCGCGCGGCTTACGTCTTCTCGAGTTCAACCGGTATC 300
Db 249 CAGCGGGTAAAGCGGGAACCTCGGGCGCGCGGCTTACGTCTTCTCGAGTTCAACCGGTATC 268
QY 301 TCTTCAACTGTGAGAAAGCGGTGACAGACTCATGACAGAGACACAAAGTTAAGTTGCTC 360
Db 269 TCTTCAACTGTGAGAAAGCGGTGACAGACTCATGACAGAGACACAAAGTTAAGTTGCTC 311
QY 361 GCTTGGACAAATATTTCTGACAGATGACCTGCTTAAATGTTGGGGCTTTAAGTGA 420
Db 312 GCTTGGACAAATATTTCTGACAGATGACCTGCTTAAATGTTGGGGCTTTAAGTGA 371
QY 421 TGATTTCTACTTTAAAGAAACCGGGCTTCAAGTGTGATCTTTCTGGAACCTCCACAC 480
Db 372 TGATTTCTACTTTAAAGAAACCGGGCTTCAAGTGTGATCTTTCTGGAACCTCCACAC 431
QY 481 TGAAGAAATACCTGGAAGCAATCAAAATATTTCTGTCCTAATGGAAGAAATGAACTG 540
Db 432 TGAAGAAATACCTGGAAGCAATCAAAATATTTCTGTCCTAATGGAAGAAATGAACTG 491
QY 541 CTGTGCGGCGCCCACTTGCAGAAATCGAGATGAACCAATGACAGTTTACAGATTC 600
Db 492 CTGTGCGGCGCCCACTTGCAGAAATCGAGATGAACCAATGACAGTTTACAGATTC 551
QY 601 CCATTCACAGTGAACAGAGAGGGGAAAGCAACCAATGTCAGATGCCAGAAAGGCTTC 660
Db 552 CCATTCACAGTGAACAGAGAGGGGAAAGCAACCAATGTCAGATGCCAGAAAGGCTTC 611
QY 661 TCAGAGGCTCAGTTCAGAGGATCTTCAGACTCCGAGTGCATGAATGAATGAGCCACAC 720
Db 612 TCAGAGGCTCAGTTCAGAGGATCTTCAGACTCCGAGTGCATGAATGAATGAGCCACAC 671
QY 721 TTCCACATGATGTTAGCCAGAGAAAGGGGTCAAGGACTCTTCCCTGTGCTGATTTCA 780
Db 672 TTCCACATGATGTTAGCCAGAGAAAGGGGTCAAGGACTCTTCCCTGTGCTGATTTCA 731
QY 781 TCTGTAAGCTTCACTTAAAGAGAGAACTTCTGTGTCTCAAAAGCAAGAGATGGGCG 840
Db 732 TCTGTAAGCTTCACTTAAAGAGAGAACTTCTGTGTCTCAAAAGCAAGAGATGGGCGC 791
QY 841 TCCAGTTGGGACAGCTGCAATCGCTCCCATCATTTGCTGTGTCAGAGACGGGAAAAACA 900
Db 792 TCCAGTTGGGACAGCTGCAATCGCTCCCATCATTTGCTGTGTCAGAGACGGGAAAAACA 851
QY 901 TCACATGAGAGAGAGAGATTTTGTGAGAGCTGTGTACTCTTCAATCTCTGTG 960
Db 852 TCACATGAGAGAGAGAGATTTTGTGAGAGCTGTGTACTCTTCAATCTCTGTG 911

```



QY 961 CTGCTTTTGTGGTAGATGTCCAGATGAAGGCTTCATCAACCCATCTGTGGAATG 1020  
 DB |||||  
 QY 912 CTGCTTTTGTGGTAGATGTCCAGATGAAGGCTTCATCAACCCATCTGTGGAATG 971  
 DB |||||  
 QY 1021 CCACCTTTTCAAGGTACCAAGGAAAGGAGATGCCCCGTGGCTTTGGTGTTCATG 1080  
 DB CCACCTTTTCAAGGTACCAAGGAAAGGAGATGCCCCGTGGCTTTGGTGTTCATG 1031  
 QY 972 CCACCTTTTCAAGGTACCAAGGAAAGGAGATGCCCCGTGGCTTTGGTGTTCATG 1031  
 DB |||||  
 QY 1081 CCCGAGCATCTGTGTGTGGACAGAGGTACAGAGGTGATGAGAGGTTTGGGCGTG 1140  
 DB |||||  
 QY 1032 CCCGAGCATCTGTGTGTGGACAGAGGTACAGAGGTGATGAGAGGTTTGGGCGTG 1091  
 DB |||||  
 QY 1141 ACACCCAGCATTTGTGTCTGATGAGAACTGTGCTCAGTTTCAAACTTCCGACGCA 1200  
 DB ACACCCAGCATTTGTGTCTGATGAGAACTGTGCTCAGTTTCAAACTTCCGACGCA 1151  
 QY 1092 ACACCCAGCATTTGTGTCTGATGAGAACTGTGCTCAGTTTCAAACTTCCGACGCA 1151  
 DB |||||  
 QY 1201 AGATTCAAACTTGTGTCTGATGAGAACTGTGCTCAGTTTCAAACTTCCGACGTTTC 1260  
 DB AGATTCAAACTTGTGTCTGATGAGAACTGTGCTCAGTTTCAAACTTCCGACGTTTC 1211  
 QY 1152 AGATTCAAACTTGTGTCTGATGAGAACTGTGCTCAGTTTCAAACTTCCGACGTTTC 1211  
 DB |||||  
 QY 1261 GCTGTAAAGAGAGGGGCCCCACCTCAGTGTGCCATGGTTGAGGGTGAATGCTCTCA 1320  
 DB |||||  
 QY 1212 GCTGTAAAGAGAGGGGCCCCACCTCAGTGTGCCATGGTTGAGGGTGAATGCTCTCA 1271  
 DB |||||  
 QY 1321 AGTACCAAGTCCGTCCAGAGAGAGTGGCAGAGGGATGCCATTATTACTTCAATCCGTG 1380  
 DB AGTACCAAGTCCGTCCAGAGAGAGTGGCAGAGGGATGCCATTATTACTTCAATCCGTG 1331  
 QY 1272 AGTACCAAGTCCGTCCAGAGAGAGTGGCAGAGGGATGCCATTATTACTTCAATCCGTG 1331  
 DB |||||  
 QY 1381 AGGAAATTCATAGTTGAGGGGCTGTGACGCTTCCCACTTCCAGACAGCGTGCAGAGTACA 1440  
 DB AGGAAATTCATAGTTGAGGGGCTGTGACGCTTCCCACTTCCAGACAGCGTGCAGAGTACA 1391  
 QY 1332 AGGAAATTCATAGTTGAGGGGCTGTGACGCTTCCCACTTCCAGACAGCGTGCAGAGTACA 1391  
 DB |||||  
 QY 1441 GAGAGAGTGGCAGAGAGGGGCCCCAGCCCGACAGAGAAAGATCAAGTCCCGAGAAATCA 1500  
 DB |||||  
 QY 1392 GAGAGAGTGGCAGAGAGGGGCCCCAGCCCGACAGAGAAAGATCAAGTCCCGAGAAATCA 1451  
 DB |||||  
 QY 1501 TCTTCTTGGAAACAGGGGTCTGCAATCCGATGAAGATTGAAATGTCAATGCAACCTTG 1560  
 DB TCTTCTTGGAAACAGGGGTCTGCAATCCGATGAAGATTGAAATGTCAATGCAACCTTG 1511  
 QY 1452 TCTTCTTGGAAACAGGGGTCTGCAATCCGATGAAGATTGAAATGTCAATGCAACCTTG 1511  
 DB |||||  
 QY 1561 TCAACATAAGCCCCGACAGCTCTCTGTACTGTGACTGTGTGAGGGCACTTTGGGCAAC 1620  
 DB TCAACATAAGCCCCGACAGCTCTCTGTACTGTGACTGTGTGAGGGCACTTTGGGCAAC 1571  
 QY 1512 TCAACATAAGCCCCGACAGCTCTCTGTACTGTGACTGTGTGAGGGCACTTTGGGCAAC 1571  
 DB |||||  
 QY 1621 TGTGCGGTATTAACGAGACAGAGTGGAGAGGGTCTGTGGGCAACCGTGGTGTGTG 1680  
 DB |||||  
 QY 1572 TGTGCGGTATTAACGAGACAGAGTGGAGAGGGTCTGTGGGCAACCGTGGTGTGTG 1631  
 DB |||||  
 QY 1681 TGTGCGGTATTAACGAGACAGAGTGGAGAGGGTCTGTGGGCAACCGTGGTGTGTG 1740  
 DB |||||  
 QY 1632 TGTGCGGTATTAACGAGACAGAGTGGAGAGGGTCTGTGGGCAACCGTGGTGTGTG 1691  
 DB |||||  
 QY 1741 GGGCTTGTGCAATCTTTGGGAAAGCGCTTCAACCTTGTGTGTGTGCTGGCCCCAACACG 1800  
 DB GGGCTTGTGCAATCTTTGGGAAAGCGCTTCAACCTTGTGTGTGTGCTGGCCCCAACACG 1751  
 QY 1692 GGGCTTGTGCAATCTTTGGGAAAGCGCTTCAACCTTGTGTGTGTGCTGGCCCCAACACG 1751  
 DB |||||  
 QY 1801 TCAAAAGCTGTGCTCCAGAGATCAACACAGTGTCCAGAGAGTCTGCAACATCAGTA 1860  
 DB TCAAAAGCTGTGCTCCAGAGATCAACACAGTGTCCAGAGAGTCTGCAACATCAGTA 1811  
 QY 1752 TCAAAAGCTGTGCTCCAGAGATCAACACAGTGTCCAGAGAGTCTGCAACATCAGTA 1811  
 DB |||||  
 QY 1861 TGAATTCCTGCAAAATGCTTCCAGAGAGGGGCTGAGATCTCAGTCTGCAAGTGAAGAT 1920  
 DB TGAATTCCTGCAAAATGCTTCCAGAGAGGGGCTGAGATCTCAGTCTGCAAGTGAAGAT 1871  
 QY 1812 TGAATTCCTGCAAAATGCTTCCAGAGAGGGGCTGAGATCTCAGTCTGCAAGTGAAGAT 1871  
 DB |||||  
 QY 1921 TGAATTCCTGCAAAATGCTTCCAGAGAGGGGCTGAGATCTCAGTCTGCAAGTGAAGAT 1980  
 DB |||||  
 QY 1872 TGAATTCCTGCAAAATGCTTCCAGAGAGGGGCTGAGATCTCAGTCTGCAAGTGAAGAT 1931  
 DB |||||  
 QY 1981 ACTGCAAGCATGGT 2040  
 DB |||||  
 QY 1932 ACTGCAAGCATGGT 1991  
 DB |||||

QY 2041 CCGGGGACACATGCTCCCTGCGAGGCTCTGTGCTCCGATGGGGGAAAGATGCGACCTCTTGA 2100  
 DB CCGGGGACACATGCTCCCTGCGAGGCTCTGTGCTCCGATGGGGGAAAGATGCGACCTCTTGA 2051  
 QY 1992 CCGGGGACACATGCTCCCTGCGAGGCTCTGTGCTCCGATGGGGGAAAGATGCGACCTCTTGA 2051  
 DB |||||  
 QY 2101 TACATGAAGGACCTGTGAGATGTTTGAAGAGAGAGCATGTGGAAAGACACACAGA 2160  
 DB TACATGAAGGACCTGTGAGATGTTTGAAGAGAGAGCATGTGGAAAGACACACAGA 2111  
 QY 2052 TACATGAAGGACCTGTGAGATGTTTGAAGAGAGAGCATGTGGAAAGACACACAGA 2111  
 DB |||||  
 QY 2161 CAACGTCCCAAGCCATCAAGCTGTGGAGATGCGAGATGAACGCGAGTTCTTAATGCTGAAC 2220  
 DB CAACGTCCCAAGCCATCAAGCTGTGGAGATGCGAGATGAACGCGAGTTCTTAATGCTGAAC 2171  
 QY 2112 CAACGTCCCAAGCCATCAAGCTGTGGAGATGCGAGATGAACGCGAGTTCTTAATGCTGAAC 2171  
 DB |||||  
 QY 2221 ACTTCAGCCAGCGCTATATCCCAAGTCTCCCTCTTCAAGCCCAACTTCCAGAGAAAGTG 2280  
 DB ACTTCAGCCAGCGCTATATCCCAAGTCTCCCTCTTCAAGCCCAACTTCCAGAGAAAGTG 2231  
 QY 2172 ACTTCAGCCAGCGCTATATCCCAAGTCTCCCTCTTCAAGCCCAACTTCCAGAGAAAGTG 2231  
 DB |||||  
 QY 2281 GAGTGTCTTGAACCAATGAAGGTGTGCTTGTGAGACTTTTCAACAAATGCCAAGCTGA 2340  
 DB GAGTGTCTTGAACCAATGAAGGTGTGCTTGTGAGACTTTTCAACAAATGCCAAGCTGA 2291  
 QY 2232 GAGTGTCTTGAACCAATGAAGGTGTGCTTGTGAGACTTTTCAACAAATGCCAAGCTGA 2291  
 DB |||||  
 QY 2341 TTCCCCCACTGAAGCCCTGTGTGTGTGCTGCGACATTCAGAGAGATGAGAGAGCGCAGGAGA 2400  
 DB TTCCCCCACTGAAGCCCTGTGTGTGTGCTGCGACATTCAGAGAGATGAGAGAGCGCAGGAGA 2351  
 QY 2292 TTCCCCCACTGAAGCCCTGTGTGTGTGCTGCGACATTCAGAGAGATGAGAGAGCGCAGGAGA 2351  
 DB |||||  
 QY 2401 AGCGGAGCTGTGGGAGGTGTGGGCTGTGCTCTGTCCAGGAGCTGGCAGCGGCTGTG 2460  
 DB AGCGGAGCTGTGGGAGGTGTGGGCTGTGCTCTGTCCAGGAGCTGGCAGCGGCTGTG 2411  
 QY 2352 AGCGGAGCTGTGGGAGGTGTGGGCTGTGCTCTGTCCAGGAGCTGGCAGCGGCTGTG 2411  
 DB |||||  
 QY 2461 AGGATGGGAGGCTTCAGAGAGAGCGGGGCCACAGAGAGGCAACAGGCCAAGAGTCA 2520  
 DB AGGATGGGAGGCTTCAGAGAGAGCGGGGCCACAGAGAGGCAACAGGCCAAGAGTCA 2471  
 QY 2412 AGGATGGGAGGCTTCAGAGAGAGCGGGGCCACAGAGAGGCAACAGGCCAAGAGTCA 2471  
 DB |||||  
 QY 2521 GAGCCAGTGAAGATCTGGAGAGACCCTGAACCTCAGAGAGCTGTGTCTTGTGCCCAAG 2580  
 DB GAGCCAGTGAAGATCTGGAGAGACCCTGAACCTCAGAGAGCTGTGTCTTGTGCCCAAG 2531  
 QY 2472 GAGCCAGTGAAGATCTGGAGAGACCCTGAACCTCAGAGAGCTGTGTCTTGTGCCCAAG 2531  
 DB |||||  
 QY 2581 CAGCAGCCCGTATCTGCTCTCTTGTGTGAGAGCTGAAGAGCAGGTCCCCAGAGAG 2640  
 DB CAGCAGCCCGTATCTGCTCTCTTGTGTGAGAGCTGAAGAGCAGGTCCCCAGAGAG 2591  
 QY 2532 CAGCAGCCCGTATCTGCTCTCTTGTGTGAGAGCTGAAGAGCAGGTCCCCAGAGAG 2591  
 DB |||||  
 QY 2641 CAGCTCAGGATTAAGGTATGAGAGTGTGCGAGGCTTGGGCTCCCACTAAGCACTAGT 2700  
 DB CAGCTCAGGATTAAGGTATGAGAGTGTGCGAGGCTTGGGCTCCCACTAAGCACTAGT 2651  
 QY 2592 CAGCTCAGGATTAAGGTATGAGAGTGTGCGAGGCTTGGGCTCCCACTAAGCACTAGT 2651  
 DB |||||  
 QY 2701 CTATAGATGCTCTTGAAGACTGTGCTGTGCAACCGCGGCGCAGAGGCTGCCACAG 2760  
 DB CTATAGATGCTCTTGAAGACTGTGCTGTGCAACCGCGGCGCAGAGGCTGCCACAG 2711  
 QY 2652 CTATAGATGCTCTTGAAGACTGTGCTGTGCAACCGCGGCGCAGAGGCTGCCACAG 2711  
 DB |||||  
 QY 2761 GAAAGCAGAGATGAATTAATTTCAATTTCAAGGCGATTTTAAAGATGTTGAAACAG 2820  
 DB GAAAGCAGAGATGAATTAATTTCAATTTCAAGGCGATTTTAAAGATGTTGAAACAG 2771  
 QY 2712 GAAAGCAGAGATGAATTAATTTCAATTTCAAGGCGATTTTAAAGATGTTGAAACAG 2771  
 DB |||||  
 QY 2821 ACGGGGCACTTCTCTTAATCCAGCAAGATGTTCCCTGCGACACAGAGCAAGCAGA 2880  
 DB ACGGGGCACTTCTCTTAATCCAGCAAGATGTTCCCTGCGACACAGAGCAAGCAGA 2831  
 QY 2772 ACGGGGCACTTCTCTTAATCCAGCAAGATGTTCCCTGCGACACAGAGCAAGCAGA 2831  
 DB |||||  
 QY 2881 GTAAAGATCAGTGGGTCTAAGTGTCCAGACTTAAGCAAAATGATTTCAAGTCA 2940  
 DB GTAAAGATCAGTGGGTCTAAGTGTCCAGACTTAAGCAAAATGATTTCAAGTCA 2891  
 QY 2832 GTAAAGATCAGTGGGTCTAAGTGTCCAGACTTAAGCAAAATGATTTCAAGTCA 2891  
 DB |||||  
 QY 2941 TAAAGATTGAAGTTGC 2956  
 DB TAAAGATTGAAGTTGC 2907

RESULT 8  
 US-09-988-626-225  
 ; Sequence 225, Application us/09988626  
 ; Publication No. US20030044959A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Tavligian, Sean V.  
 ; APPLICANT: Teng, David H.F.  
 ; APPLICANT: Simard, Jacques





Db 1741 CCCAGCAGCTCAAAAGCCTGCTCAGACAGTACCAACCAAGTCCAGAGGCTCTGCAC 1800  
Qy 1851 CACATCAGTATGATTCCTGCTCAAAATGCTTCAGAAAGGGCTGAGATCTCCAGTCTGCA 1910  
Db 1801 CACATCAGTATGATTCCTGCTCAAAATGCTTCAGAAAGGGCTGAGATCTCCAGTCTGCA 1860  
Qy 1911 GTGAAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1970  
Db 1861 GTGAAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1920  
Qy 1971 CTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2030  
Db 1921 CTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1980  
Qy 2031 GTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2090  
Db 1981 GTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2040  
Qy 2091 ACCCTCTCTGATACATGAGCCACCTGGAAGATGCTTGGAAAGAGAGAGAGAGAGAGAG 2150  
Db 2041 ACCCTCTCTGATACATGAGCCACCTGGAAGATGCTTGGAAAGAGAGAGAGAGAGAGAG 2100  
Qy 2151 ACAACACAGCAACAGTCCCAAGCCATCAGCTGCGGATGCGATGAAACCGGAGTTCATT 2210  
Db 2101 ACAACACAGCAACAGTCCCAAGCCATCAGCTGCGGATGCGATGAAACCGGAGTTCATT 2160  
Qy 2211 ATGCTGACACATCTTGCAGCAGGCTTATGCGCAAGGTGCTGCTTGGAGACTTCCAAATG 2270  
Db 2161 ATGCTGACACATCTTGCAGCAGGCTTATGCGCAAGGTGCTGCTTGGAGACTTCCAAATG 2220  
Qy 2271 GAGAAAGTGGAAGTTCCTTTGACCAATGAAAGTTCCTTGGAGACTTCCAAATG 2330  
Db 2221 GAGAAAGTGGAAGTTCCTTTGACCAATGAAAGTTCCTTGGAGACTTCCAAATG 2280  
Qy 2331 CCCAAGCTGATTCCTCCCACTGAAAGCCCTGTTGCTGCGGACATCGAGAGATGAGAGAG 2390  
Db 2281 CCCAAGCTGATTCCTCCCACTGAAAGCCCTGTTGCTGCGGACATCGAGAGATGAGAGAG 2340  
Qy 2391 CCGAGGAGAAAGGAGGAGCTGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2450  
Db 2341 CCGAGGAGAAAGGAGGAGCTGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2400  
Qy 2451 GGGGAGCTGAGAGATGAGGAGCTTCAGAGAAAGCGGAGCCACACAGAGAGCCAGAGGCC 2510  
Db 2401 GGGGAGCTGAGAGATGAGGAGCTTCAGAGAAAGCGGAGCCACACAGAGAGCCAGAGGCC 2460  
Qy 2511 AAGAAAGTCAAGAGCCCAAGTGAATCTGGAGAGCCCTGAACTCAAGAAAGCTGTGTCTT 2570  
Db 2461 AAGAAAGTCAAGAGCCCAAGTGAATCTGGAGAGCCCTGAACTCAAGAAAGCTGTGTCTT 2520  
Qy 2571 CTGCCCCAGCAGCAGCCCGTATCTGCCCTCTTGTGCTGTAAGAGCTGAAGACAGGTC 2630  
Db 2521 CTGCCCCAGCAGCAGCCCGTATCTGCCCTCTTGTGCTGTAAGAGCTGAAGACAGGTC 2580  
Qy 2631 CCCCAGAGGAGCAGCTCAGATAGGTGATGAGCTGTGCGAGGCTTGGGCTCCCAAT 2690  
Db 2581 CCCCAGAGGAGCAGCTCAGATAGGTGATGAGCTGTGCGAGGCTTGGGCTCCCAAT 2640  
Qy 2691 AAGCACTAGTCTATAGATGCTTATAGAGCTGTGCTGCGACAGCCCGGAGCAGAGAGG 2750  
Db 2641 AAGCACTAGTCTATAGATGCTTATAGAGCTGTGCTGCGAGCAGCCCGGAGCAGAGAGG 2684  
Qy 2751 CTGCCCCAGCAGCAGCCCGTATCTGCCCTCTTGTGCTGTAAGAGCTGAAGACAGGTC 2810  
Db 2685 CTGCCCCAGCAGCAGCCCGTATCTGCCCTCTTGTGCTGTAAGAGCTGAAGACAGGTC 2744  
Qy 2811 TTGGAAGACAGACGGGAGCTTCTCTATCAGCAAGTATTCCTGACACACAG 2870  
Db 2745 TTGGAAGACAGACGGGAGCTTCTCTATCAGCAAGTATTCCTGACACACAG 2804  
Qy 2871 GACACAGAGATTAACAGATCACTGGGTCTAAGTGTCCGAGCTTAAACGAAATAGTATT 2930  
Db 2805 GACACAGAGATTAACAGATCACTGGGTCTAAGTGTCCGAGCTTAAACGAAATAGTATT 2864

Qy 2931 TCAGCTGCAATTAAGATTGAGTTTGCAA 2958  
Db 2865 TCAGCTGCAATTAAGATTGAGTTTGCAA 2892

RESULT 9  
US-09-988-687-225  
; Sequence 225, Application US/09988687  
; Publication No. US20030045704A1  
; GENERAL INFORMATION:  
; APPLICANT: Tavligian, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes  
; FILE REFERENCE: 2318-258  
; CURRENT APPLICATION NUMBER: US/09/988,687  
; PRIOR FILING DATE: 2001-11-20  
; PRIOR APPLICATION NUMBER: 09/564,805  
; PRIOR FILING DATE: 2000-05-05  
; PRIOR APPLICATION NUMBER: US 60/107,468  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR APPLICATION NUMBER: 09/434,382  
; PRIOR FILING DATE: 1999-11-05  
; NUMBER OF SEQ ID NOS: 240  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 225  
; LENGTH: 2892  
; TYPE: DNA  
; ORGANISM: Gorilla gorilla  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (1)..(2478)  
US-09-988-687-225

Query Match 95.3%; Score 2819.6; DB 11; Length 2892;  
Best Local Similarity 98.5%; Pred. No. 0;  
Matches 2863; Conservative 0; Mismatches 29; Indels 16; Gaps 1;

Qy 51 ATGTGGGCGCTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 110  
Db 1 ATGTGGGCGCTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 60  
Qy 111 ACCATATGCGAGGCAACCCGCGCGCGAGCGGCGCGCAAGAGCCCGCTGCGGCACTG 170  
Db 61 ACCATATGCGAGGCAACCCGCGCGCGAGCGGCGCGCAAGAGCCCGCTGCGGCACTG 120  
Qy 171 CCGAGCGAGAGAGCGCGGAGCCGTCGCGGAGTCTCGCGGAGCCCAACACCGTGTACTG 230  
Db 121 CCGAGCGAGAGAGCGCGGAGCCGTCGCGGAGTCTCGCGGAGCCCAACACCGTGTACTG 180  
Qy 231 CAGGTGTGCGAGCGGAGTACCGGAGCTGCGGCGCGCGCTTAAAGTCTTCCAGTTC 290  
Db 181 CAGGTGTGCGAGCGGAGTACCGGAGCTGCGGCGCGCGCTTAAAGTCTTCCAGTTC 240  
Qy 291 AACCGGTATCTTCAACTGTGAGAGAGCGTTCAGAGACTCATGAGAGCAAGTTA 350  
Db 241 AACCGGTATCTTCAACTGTGAGAGAGCGTTCAGAGACTCATGAGAGCAAGTTA 300  
Qy 351 AAGGTGCTCGCTGAGCAACATATTCAGACAGATCACTGTCTAATGTGGGCGC 410  
Db 301 AAGGTGCTCGCTGAGCAACATATTCAGACAGATCACTGTCTAATGTGGGCGC 360  
Qy 411 TTAAGTGAATATTTCTTAATTAAGAAACCGGCTTCCAAAGTGTACTTTTTCGA 470  
Db 361 TTAAGTGAATATTTCTTAATTAAGAAACCGGCTTCCAAAGTGTACTTTTTCGA 420  
Qy 471 CCTCCCAACTGGAAGAAATCACTGAGAGCAATCAAAATTTTCTGCTCATTTGAAGA 530  
Db 421 CCTCCCAACTGGAAGAAATCACTGAGAGCAATCAAAATTTTCTGCTCATTTGAAGA 480

Qy	531	ATGAACTGGCTGGCGGCGCCACCTCTGCGCCAGAAATACGAGGATGGAACCATGACGTT	590
Db	481	ATAGAACTGGCTGGCGGCGCCACCTCTGCGCCAGAAATACGAGGATGGAACCATGACGTT	540
Qy	591	TACCAGATCCCATACACAGTGAACAGAGAGGGGAAAGCAACCACTGGCAGAGTCCA	650
Db	541	TACCAGATCCCATACACAGTGAACAGAGAGGGGAAAGCAACCACTGGCAGAGTCCA	600
Qy	651	GAAGAGCTCTCAGCAGGCTCACTCAGAGCGATCTTCAAGCTCCGAGTCGAATGAAAT	710
Db	601	GAAGAGCTCTCAGCAGGCTCACTCAGAGCGATCTTCAAGCTCCGAGTCGAATGAAAT	660
Qy	711	GAGCACAACCTTCCACATGATGTAGCCAGAGAAAGGGGTCAGAGAACTTTCCCTGCTC	770
Db	661	GAGCACAACCTTCCACATGATGTAGCCAGAGAAAGGGGTCAGAGAACTTTCCCTGCTC	720
Qy	771	GTAGCTTTCATCTGTAACTTCACTTAAAGAGAGAACTTCTTGATCTCAAGAAAG	830
Db	721	GTAGCTTTCATCTGTAACTTCACTTAAAGAGAGAACTTCTTGATCTCAAGAAAG	780
Qy	831	GAGATGGGCTCCCAAGTTGGAGCAGCTGCATCGTCCCATCATTTGCTGCTCAGAGAC	890
Db	781	GAGATGGGCTCCCAAGTTGGAGCAGCTGCATCGTCCCATCATTTGCTGCTCAGAGAC	840
Qy	891	GGGAAAGCATCATCTAAGAAAGAAAGATTTTGGCTGAAGAGCTGTACTCTTCCA	950
Db	841	GGGAAAGCATCATCTAAGAAAGAAAGATTTTGGCTGAAGAGCTGTACTCTTCCA	900
Qy	951	GATCTGGTGTGCTTTGTGTGGTAGAATGTCCAGATGGAAGCTTCATTCACCCATC	1010
Db	901	GATCTGGTGTGCTTTGTGTGGTAGAATGTCCAGATGGAAGCTTCATTCACCCATC	960
Qy	1011	TGTGAGATGCGCACCTTTCAGAGGTACCAAGAAAGCAGATGCCCCGCTGGTGTG	1070
Db	961	TGTGAGATGCGCACCTTTCAGAGGTACCAAGAAAGCAGATGCCCCGCTGGTGTG	1020
Qy	1071	GTTCACATGCGCCCCGAGATCTGTGCTTGTGACACAGAGTACCAAGATGAGAGG	1130
Db	1021	GTTCACATGCGCCCCGAGATCTGTGCTTGTGACACAGAGTACCAAGATGAGAGG	1080
Qy	1131	TTTGGGCTGTACACCCAGCATTTGTGCTGTGAATGAGAACTTGCTCACTTCAACCTT	1190
Db	1081	TTTGGGCTGTACACCCAGCATTTGTGCTGTGAATGAGAACTTGCTCACTTCAACCTT	1140
Qy	1191	CGCAGCCACAGATTTCAAAACCCAGCTCAACTCACCACCGGACATTTTCCCTGCTC	1250
Db	1141	CGCAGCCACAGATTTCAAAACCCAGCTCAACTCACCACCGGACATTTTCCCTGCTC	1200
Qy	1251	ACCAAGTTCCGCTGTAAAGAGAGGCGCCACCCCTCAGTGTGCCATGTTCAAGGTGA	1310
Db	1201	ACCAAGTTCCGCTGTAAAGAGAGGCGCCACCCCTCAGTGTGCCATGTTCAAGGTGA	1260
Qy	1311	TGCTCTCTCAAGTACAGCTCCGTCCAGAGAGAGTGGCAGAGGATGCCATTATTA	1370
Db	1261	TGCTCTCTCAAGTACAGCTCCGTCCAGAGAGAGTGGCAGAGGATGCCATTATTA	1320
Qy	1371	TGCAATCCTGAGAAATTCATGATTGAGGCGCTGCAGCTTCCCACTTCCAGAGAGG	1430
Db	1321	TGCAATCCTGAGAAATTCATGATTGAGGCGCTGCAGCTTCCCACTTCCAGAGAGG	1380
Qy	1431	CAGAGTACAGAGAGAGTGCAGAGCGGCCAGGCCCCAGCAGAGAGAAAGATCAGTAC	1490
Db	1381	CAGAGTACAGAGAGAGTGCAGAGCGGCCAGGCCCCAGCAGAGAGAAAGATCAGTAC	1440
Qy	1491	CCAGAAATCATCTTCTTGGAAACAGGGTCTGCCATCCCGATGAAGATTCGAATGT	1550
Db	1441	CCAGAAATCATCTTCTTGGAAACAGGGTCTGCCATCCCGATGAAGATTCGAATGT	1500
Qy	1551	GCCACACTGTCAATGAAGCCCGACACGCTCTGCTCACTGAGCTGTGGTGAAGGCA	1610
Db	1501	GCCACACTGTCAATGAAGCCCGACACGCTCTGCTCACTGAGCTGTGGTGAAGGCA	1560





111 ACCATATGCGAGGACCCGCGCGCGGAGCGGCGGAGGACCCGCTGCGGACCTG 170  
Db ACCATATGCGAGGACCCGCGCGCGGAGCGGCGGAGGACCCGCTGCGGACCTG 120  
Qy 61 ACCATATGCGAGGACCCGCGCGCGGAGCGGCGGAGGACCCGCTGCGGACCTG 120  
Qy 171 GCGACGCGAGAGAGCGCGGACCGCTGCGGAGGCTCGCGGCGGCGGAGGACCGTGTACTG 230  
Db 121 GCGACGCGAGAGAGCGCGGACCGCTGCGGAGGCTCGCGGCGGCGGAGGACCGTGTACTG 180  
Qy 231 CAGGTGTGTGCGAGCGGAGGCTGCGGAGGCTGCGGAGGCTGCGGAGGCTGCGGAGGCTG 290  
Db 181 CAGGTGTGTGCGAGCGGAGGCTGCGGAGGCTGCGGAGGCTGCGGAGGCTGCGGAGGCTG 240  
Qy 291 AACCGGTATCTCTTCACTGTGAGAGAGGCTGCGGAGGCTGCGGAGGCTGCGGAGGCTG 350  
Db 241 AACCGGTATCTCTTCACTGTGAGAGAGGCTGCGGAGGCTGCGGAGGCTGCGGAGGCTG 300  
Qy 351 AAGGTGTGTGCGAGGAGGCTGCGGAGGCTGCGGAGGCTGCGGAGGCTGCGGAGGCTG 410  
Db 301 AAGGTGTGTGCGAGGAGGCTGCGGAGGCTGCGGAGGCTGCGGAGGCTGCGGAGGCTG 360  
Qy 411 TTAAGTGTGATATTTTCTTTAAAGGAAACCGGCTTCCAAAGTGTACTTTCTGGA 470  
Db 361 TTAAGTGTGATATTTTCTTTAAAGGAAACCGGCTTCCAAAGTGTACTTTCTGGA 420  
Qy 471 CCTCCACAACTGGAAGAAATACCTCGAAGGATCAAAATTTTCTGCTCATTTGAAAGGA 530  
Db 421 CCTCCACAACTGGAAGAAATACCTCGAAGGATCAAAATTTTCTGCTCATTTGAAAGGA 480  
Qy 531 ATAGAATGCTGTGTGCGGCGGCACTGTGCGCGGAAATACGAGGATGAAACATGACGTT 590  
Db 481 ATAGAATGCTGTGTGCGGCGGCACTGTGCGCGGAAATACGAGGATGAAACATGACGTT 540  
Qy 591 TACGAGATCCCTTAACAAGTGAACAGAGAGGAGGAAAGCAACACATGCGAGAGTCCA 650  
Db 541 TACGAGATCCCTTAACAAGTGAACAGAGAGGAGGAAAGCAACACATGCGAGAGTCCA 600  
Qy 651 GAAAGGCTCTGACGAGGCTGAGTCCAGAGGCTTCCAGACTCCGAGTCCGAAATGAAAT 710  
Db 601 GAAAGGCTCTGACGAGGCTGAGTCCAGAGGCTTCCAGACTCCGAGTCCGAAATGAAAT 660  
Qy 711 GAGCCACACCTTCCACATGCTGTGTAAGCAAGAGAGGAGGCTCTTCCCTGCTG 770  
Db 661 GAGCCACACCTTCCACATGCTGTGTAAGCAAGAGAGGAGGCTCTTCCCTGCTG 720  
Qy 771 GTAGCTTTCACTGTGTAAGCTTCACTTAAAGAGAGAACTTCTGTGCTCAAAAGCAAG 830  
Db 721 GTAGCTTTCACTGTGTAAGCTTCACTTAAAGAGAGAACTTCTGTGCTCAAAAGCAAG 780  
Qy 831 GAGATGCGGCTCCCAATGAGGAGGCTGCTCCCACTCACTGCTGCTGCAAGAG 890  
Db 781 GAGATGCGGCTCCCAATGAGGAGGCTGCTCCCACTCACTGCTGCTGCAAGAG 840  
Qy 891 GGGAAAAGCATCACTCATGAGAGAGAGATTTTGGCTGAGAGAGCTGTACTCTCTCA 950  
Db 841 GGGAAAAGCATCACTCATGAGAGAGAGATTTTGGCTGAGAGAGCTGTACTCTCTCA 900  
Qy 951 GATCTGTGTGCTTTTGTGTGTGTAAGATGTCAGATGAAAGCTTCATTCAACCATC 1010  
Db 901 GATCTGTGTGCTTTTGTGTGTGTAAGATGTCAGATGAAAGCTTCATTCAACCATC 960  
Qy 1011 TGTGAAATGCGGACCTTTCAGAGGTAACAGAGAAAGGAGAGGCTGCTGCTGCTG 1070  
Db 961 TGTGAAATGCGGACCTTTCAGAGGTAACAGAGAAAGGAGAGGCTGCTGCTGCTG 1020  
Qy 1071 GTTCACATGAGGCGGACATGTGTGTGTGTAAGAGAGGATACGAGAGTGTGATGAGAG 1130  
Db 1021 GTTCACATGAGGCGGACATGTGTGTGTGTAAGAGAGGATACGAGAGTGTGATGAGAG 1080  
Qy 1131 TTTGGGCTGTGACCCGAGCACTTGTGTGTGTAAGAGAGTGTGCTGATGTTCAAACTT 1190  
Db 1081 TTTGGGCTGTGACCCGAGCACTTGTGTGTGTAAGAGAGTGTGCTGATGTTCAAACTT 1140

Qy 1191 GCGAGCCACAAAGATTCAAAACCCAGCTCACTCATCCACCCGAGCATTTCCCTGCTC 1250  
Db 1141 GCGAGCCACAAAGATTCAAAACCCAGCTCACTCATCCACCCGAGCATTTCCCTGCTC 1200  
Qy 1251 ACCAGTTTCCGCTGTGAAGAGAGGCGGCAACCCCTCACTGTGAGGATGAGGATGAA 1310  
Db 1201 ACCAGTTTCCGCTGTGAAGAGAGGCGGCAACCCCTCACTGTGAGGATGAGGATGAA 1260  
Qy 1311 TGCTCTCAAGTACAGCTCCGTCGAGAGGAGTGTGAGAGGATGAGGATGAAATTA 1370  
Db 1261 TGCTCTCAAGTACAGCTCCGTCGAGAGGAGTGTGAGAGGATGAGGATGAAATTA 1320  
Qy 1371 TGCATCTGAGAAATTCATAGTTAGGAGGCTGAGCTTCCCACTTCCAGAGGCGTG 1430  
Db 1321 TGCATCTGAGAAATTCATAGTTAGGAGGCTGAGCTTCCCACTTCCAGAGGCGTG 1380  
Qy 1431 CAGAGTACAGAGAGAGGCGGAGAGGCGGCGGAGGCGGAGGAGGAGGAGGAGGAGTAC 1490  
Db 1381 CAGAGTACAGAGAGAGGCGGAGAGGCGGCGGAGGCGGAGGAGGAGGAGGAGGAGTAC 1440  
Qy 1491 CCAGAAATCATCTTCTTGAACAGAGGCTGCGCATCCGATGAGATTCGAAATGTCA 1550  
Db 1441 CCAGAAATCATCTTCTTGAACAGAGGCTGCGCATCCGATGAGATTCGAAATGTCA 1500  
Qy 1551 GCGACACTTGTCAACATAGGCGGCGGAGAGCTGTGCTACTGAGACTGTGTGAGGCGACA 1610  
Db 1501 GCGACACTTGTCAACATAGGCGGCGGAGAGCTGTGCTACTGAGACTGTGTGAGGCGACA 1560  
Qy 1611 TTTGGGAGCTGTGCGGCTGCTTAAAGGAGAGGAGGAGGAGGAGGAGGAGGAGGAGT 1670  
Db 1561 TTTGGGAGCTGTGCGGCTGCTTAAAGGAGAGGAGGAGGAGGAGGAGGAGGAGGAGT 1620  
Qy 1671 GCTGTGTGTGTGCTCCACCTGAGCAGATCCACAGGAGGAGGAGGAGGAGGAGGAGT 1730  
Db 1621 GCTGTGTGTGTGCTCCACCTGAGCAGATCCACAGGAGGAGGAGGAGGAGGAGGAGT 1680  
Qy 1731 CAGAGAGAAAGGCGCTTGGCATCTTTGGGAAAGCGGCTTCACTTGTGTGTGCTG 1790  
Db 1681 CAGAGAGAAAGGCGCTTGGCATCTTTGGGAAAGCGGCTTCACTTGTGTGTGCTG 1740  
Qy 1791 CCGAACAGCTCAAAAGGCTGTGCTCCAGAGTACCAACCAATGCGAGAGGATCCGAGC 1850  
Db 1741 CCGAACAGCTCAAAAGGCTGTGCTCCAGAGTACCAACCAATGCGAGAGGATCCGAGC 1800  
Qy 1851 CACATCAATGATGCTTCCGCAAAATGCTTCAAGAGGAGGAGTCTCAGTCTGCA 1910  
Db 1801 CACATCAATGATGCTTCCGCAAAATGCTTCAAGAGGAGGAGTCTCAGTCTGCA 1860  
Qy 1911 GTGAAAGATGATGATGCTGCTGCTGCGAATGATGATGATGATGATGATGATGATGAT 1970  
Db 1861 GTGAAAGATGATGATGCTGCTGCTGCGAATGATGATGATGATGATGATGATGATGAT 1920  
Qy 1971 CTGTGTGCGGACCTGCAAGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 2030  
Db 1921 CTGTGTGCGGACCTGCAAGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1980  
Qy 2031 GTGTGTATTTCCGGGAGACCAAGGCTGCGAGGCTGTGTGTGTGTGTGTGTGTGTGT 2090  
Db 1981 GTGTGTATTTCCGGGAGACCAAGGCTGCGAGGCTGTGTGTGTGTGTGTGTGTGTGT 2040  
Qy 2091 ACCCTCTGATACATGAGCCACCTGGAAGATGTTTGAAGAGAGACAGTGAAG 2150  
Db 2041 ACCCTCTGATACATGAGCCACCTGGAAGATGTTTGAAGAGAGACAGTGAAG 2100  
Qy 2151 ACAACAGCAACAAGTCCCAAGCCATCAGCTGTGTGTGTGTGTGTGTGTGTGTGTGT 2210  
Db 2101 ACAACAGCAACAAGTCCCAAGCCATCAGCTGTGTGTGTGTGTGTGTGTGTGTGTGT 2160  
Qy 2211 ATGCTGAACCACTTCAAGGAGGCTATGCAAGGCTGCTGCTTCAAGCCCACTTCA 2270  
Db 2161 ATGCTGAACCACTTCAAGGAGGCTATGCAAGGCTGCTGCTTCAAGCCCACTTCA 2220  
Qy 2271 GAGAAAGTGGAGTGTGCTTTGACCAATGAAGGCTGTGCTTTGAGAGCTTTCACAAATG 2330



[illegible]

RESULT 12  
MS-09-999

```

Sequence 1 Application US/0998687
Publication No. US20030045704A1
GENERAL INFORMATION:
APPLICANT: Tavligian, Sean V.
APPLICANT: Teng, David H.F.
APPLICANT: Simard, Jacques
APPLICANT: Rommens, Johanna M.
APPLICANT: Myriad Genetics, Inc.
TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility
FILE REFERENCE: 2318-258
CURRENT APPLICATION NUMBER: US/09/988,687
CURRENT FILING DATE: 2001-11-20
PRIOR APPLICATION NUMBER: 09/564,805
PRIOR FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: US 60/107,468
PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/434,382
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 1
LENGTH: 2481
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)..(2478)
US-09-988-687-1

```

Query Match	83.9%	Score 2481	DB 11	Length 2481
Best Local Similarity	100.0%	Pred. No. 0		
Matches 2481	Conservative	0	Mismatches 0	Gaps 0

QY		
51	ATGTGGGCGCTTTTGCTCGCTGTCGGTCCGCGGCGGACGCACATGTGCGAGGACGC	110
Db	1 ATGTGGGCGCTTTTGCTCGCTGCTGGGTCCGCGGCGGACGCACATGTGCGAGGACGC	60
QY	111 ACCATATCGCAGGACACCCGCCGCCGCGCAGCGGGCGCGCAGAGGACCCGGCTGGGACCTG	170
Db	61 ACCATATCGCAGGACACCCGCCGCCGCGCAGCGGGCGCGCAGGACCCGGCTGGGACCTG	120
QY	171 CGCAGCGAGAGAGCGCGGACCGTGGGGTGTCTCCGCGGGCCCAACACCGTGTACTTG	230
Db	121 CGCAGCGAGAGAGCGCGGACCGTGGGGTGTCTCCGCGGGCCCAACACCGTGTACTTG	180
QY	231 CAGGTGTGGCAGCGGGGTAGCGGGACCTGGGGGCGCGCGCTACACGTCTTCGCGAGTTTC	290
Db	181 CAGGTGTGGCAGCGGGGTAGCGGGACCTGGGGGCGCGCGCTACACGTCTTCGCGAGTTTC	240
QY	291 AACCGTATCTTTCACACTGTGGAGAGGCGTTTCAGAGACTCATGACGAGACCAAGTTTA	350

Db	241	AACCGGTAATCTCTTCAACTGTGGAGAAAGCCTTCAAGACCTCAAGCAGAGACAAAGTAA	300
QY	351	AAGGTGCTGCTCGACAACATATTCCTGACAGAAATGCACTGTCTAATGTTGGGAGC	410
Db	301	AAGGTGCTGCTCGACAACATATTCCTGACAGAAATGCACTGTCTAATGTTGGGAGC	360
QY	411	TTAAGTGAATGATCTTTACTTTAAAGAAAACGGGCTTCCAAAGTGTATCTTTCGGA	470
Db	361	TTAAGTGAATGATCTTTACTTTAAAGAAAACGGGCTTCCAAAGTGTATCTTTCGGA	420
QY	471	CCTCCACAACCTGGAAAAATACCTGGAAGCAATCAAAATATTTCTGTGCCATTGAAGA	530
Db	421	CCTCCACAACCTGGAAAAATACCTGGAAGCAATCAAAATATTTCTGTGCCATTGAAGA	480
QY	531	ATGAACTGGCTGTGCGGCCCACTCTGCCCAAAATACAGAGATGAACCATGACAGTT	590
Db	481	ATGAACTGGCTGTGCGGCCCACTCTGCCCAAAATACAGAGATGAACCATGACAGTT	540
QY	591	TACCAAGATCCCATATACAGTGAACAGAGAGGGGAAAAGCAACAACATGGCAGATCCA	650
Db	541	TACCAAGATCCCATATACAGTGAACAGAGAGGGGAAAAGCAACAACATGGCAGATCCA	600
QY	651	GAAAGGCTCTCAGCAGAGCTCAGTCCAAGCGATCTTCAGACTCCGATGGTAATGAAT	710
Db	601	GAAAGGCTCTCAGCAGAGCTCAGTCCAAGCGATCTTCAGACTCCGATGGTAATGAAT	660
QY	711	GAGCCACACCTTCCACATGCTGTAGGCAAGAGAGGGGTCAAGGACTCTCCCTGGTC	770
Db	661	GAGCCACACCTTCCACATGCTGTAGGCAAGAGAGGGGTCAAGGACTCTCCCTGGTC	720
QY	771	GTACTCTTCATCTGTAAAGCTTCACTTAAAGAGAGAAACTTCTTGTGTCTCAANAGCAAG	830
Db	721	GTACTCTTCATCTGTAAAGCTTCACTTAAAGAGAGAAACTTCTTGTGTCTCAANAGCAAG	780
QY	831	GAGATGGGGCTCCCGAGTTGGGACAGCTGCCATCGCTCCCATATGCTGCTGTCAAGAC	890
Db	781	GAGATGGGGCTCCCGAGTTGGGACAGCTGCCATCGCTCCCATATGCTGCTGTCAAGAC	840
QY	891	GGGAAAAGCATCACTCATGAAGAAGAGATTTTGGCTGAAGACTGTGTACTCTCCA	950
Db	841	GGGAAAAGCATCACTCATGAAGAAGAGATTTTGGCTGAAGACTGTGTACTCTCCA	900
QY	951	GATCTGTGTGCTTTTGTGTGTGTGAATGTGCAGATGAAGCTTCAATTCACCCATC	1010
Db	901	GATCTGTGTGCTTTTGTGTGTGTGAATGTGCAGATGAAGCTTCAATTCACCCATC	960
QY	1011	TGTGAAGATGCGACCTTTCAGAGGTACCAAGAAAGGCAATGCCCCGTGGCTTGGTG	1070
Db	961	TGTGAAGATGCGACCTTTCAGAGGTACCAAGAAAGGCAATGCCCCGTGGCTTGGTG	1020
QY	1071	GTTTCACATGGCCCCAGAGATCTGTCTTGTGGAACAGAGGTATCCAGCAGTGGATGGAAGG	1130
Db	1021	GTTTCACATGGCCCCAGAGATCTGTCTTGTGGAACAGAGGTATCCAGCAGTGGATGGAAGG	1080
QY	1131	TTTGGGCTGTGACACCCAGCACTTGTGCTGTGAATGAGAACTGTGCTCAGTTCACAACTT	1190
Db	1081	TTTGGGCTGTGACACCCAGCACTTGTGCTGTGAATGAGAACTGTGCTCAGTTCACAACTT	1140
QY	1191	CGCAGCCACAAGATTCAAACCCAGCTCAACTATCCAACCGGACATCTTCCCCCTGCTC	1250
Db	1141	CGCAGCCACAAGATTCAAACCCAGCTCAACTATCCAACCGGACATCTTCCCCCTGCTC	1200
QY	1251	ACCAGTTTCGGCTGTGAAGAAGAGGGGCCCAACCTCAGTGTGCCATGTTCAAGGTGA	1310
Db	1201	ACCAGTTTCGGCTGTGAAGAAGAGGGGCCCAACCTCAGTGTGCCATGTTCAAGGTGA	1260
QY	1311	TGCTCTCTCAAGTACAGCTCCGTCCAGAGAGGGAGTGGCAGAGGGAATGCCATATTAAT	1370
Db	1261	TGCTCTCTCAAGTACAGCTCCGTCCAGAGAGGGAGTGGCAGAGGGAATGCCATATTAAT	1320
QY	1371	TGCAATCTCTGAAGATTCATATGTTGAAGCGCTGACGTTCCCAACTTCCAGACAGCGTGT	1430

Db	1321	TGCATCTCTGAGGAATTCTATAGTTGAGGCGCTGCAGCTTCCCACTTCACAGACAAGGCTG	1380
Qy	1431	CAGAGATACAGAGAGAGTGGCCGACAGACGGCCCAAGCCCAACAGAGAAAGAGTCACTAC	1490
Db	1381	CAGAGATACAGAGAGAGTGGCCGACAGACGGCCCAAGCCCAACAGAGAAAGAGTCACTAC	1440
Qy	1491	CCAGAAATCATCTTCTCTTGGAACAGAGGCTGCCATCCGATGGAAGATTCCGAAATGTCACT	1550
Db	1441	CCAGAAATCATCTTCTCTTGGAACAGAGGCTGCCATCCGATGGAAGATTCCGAAATGTCACT	1500
Qy	1551	GCCACACTTGTCAACATTAAGCCCGACACGCTCTGCTACTGACTGACTGCTGAGAGGGACAC	1610
Db	1501	GCCACACTTGTCAACATTAAGCCCGACACGCTCTGCTACTGACTGACTGCTGAGAGGGACAC	1560
Qy	1611	TTTGGGACGCTGTGTGCTTCATTTACGAGAACCAAGTGGACAGAGGCTCTTGGGACACCTTGCT	1670
Db	1561	TTTGGGACGCTGTGTGCTTCATTTACGAGAACCAAGTGGACAGAGGCTCTTGGGACACCTTGCT	1620
Qy	1671	GCTGTGTTTGTGTGCCACCTGCACGTGACGACATACCAACAGGGCTTGGCCAAAGTATCTGTGT	1730
Db	1621	GCTGTGTTTGTGTGCCACCTGCACGTGACGACATACCAACAGGGCTTGGCCAAAGTATCTGTGT	1680
Qy	1731	CAGAGAGAACGGGCTTGGCATCTTTTGGGAAAGCCGCTTCAACCTTTGCTGTGTGTGCTC	1790
Db	1681	CAGAGAGAACGGGCTTGGCATCTTTTGGGAAAGCCGCTTCAACCTTTGCTGTGTGTGCTC	1740
Qy	1791	CCCAACCAAGCTCAAAAGCCTGGCTCCAGACAGTACCAACCAAGTGCAGAGAGTCTGTAC	1850
Db	1741	CCCAACCAAGCTCAAAAGCCTGGCTCCAGACAGTACCAACCAAGTGCAGAGAGTCTGTAC	1800
Qy	1851	CACATCACTATGATTTCTGTGCCAAATGCTCTTACAGAAAGGGGCTGAGATTCTCCAGTCTGCA	1910
Db	1801	CACATCACTATGATTTCTGTGCCAAATGCTCTTACAGAAAGGGGCTGAGATTCTCCAGTCTGCA	1860
Qy	1911	GTGGAAGATTTGATCAGTTGCTGTGCGAACAATGATTTTGAAGAGTTTCAACCTGT	1970
Db	1861	GTGGAAGATTTGATCAGTTGCTGTGCGAACAATGATTTTGAAGAGTTTCAACCTGT	1920
Qy	1971	CTGTGTGCGGCACTGCAAGCATGCTGTTTGGCTGTGTGCTGTGCAACACTTGTGCTGAAA	2030
Db	1921	CTGTGTGCGGCACTGCAAGCATGCTGTTTGGCTGTGTGCTGTGCAACACTTGTGCTGAAA	1980
Qy	2031	GTGTGTCTATTTCCGGGGACACCATGCTGCTGCGAAGCTCTGTGTCCGATGGGGAAAGATGCC	2090
Db	1981	GTGTGTCTATTTCCGGGGACACCATGCTGCTGCGAAGCTCTGTGTCCGATGGGGAAAGATGCC	2040
Qy	2091	ACCTCTCTGATTCATGAAGCCACCTGTGAAAGATGCTTTTGAAGAGAGCACTGTGAAAG	2150
Db	2041	ACCTCTCTGATTCATGAAGCCACCTGTGAAAGATGCTTTTGAAGAGAGCACTGTGAAAG	2100
Qy	2151	ACACACAGACACACCTCCCAAGCCATCAAGCTGTGGGAGATGCGATGAACGCGAGATTCAT	2210
Db	2101	ACACACAGACACACCTCCCAAGCCATCAAGCTGTGGGAGATGCGATGAACGCGAGATTCAT	2160
Qy	2211	ATGCTGAACCACTTCAAGCAGGCGCTATGCGAAGTTCCTCTTCAAGCCCACTTCAAGC	2270
Db	2161	ATGCTGAACCACTTCAAGCAGGCGCTATGCGAAGTTCCTCTTCAAGCCCACTTCAAGC	2220
Qy	2271	GAGAAAGTGGGAGTGGCTTTTACCAACATGAAGGTCGTCTTTGAGACTTTTCAACATG	2330
Db	2221	GAGAAAGTGGGAGTGGCTTTTACCAACATGAAGGTCGTCTTTGAGACTTTTCAACATG	2280
Qy	2331	CCCAAGCTGATTTCCCACTGAAAGCCCTGTTTGTGTGCGACATGAGAGAGTGAAGAG	2390
Db	2281	CCCAAGCTGATTTCCCACTGAAAGCCCTGTTTGTGTGCGACATGAGAGAGTGAAGAG	2340
Qy	2391	CGCAGGAGAGACGGGAGCTGCGGCAAGTGTGCGGCGGCTCTCTGTCAAGGAGCTGCA	2450
Db	2341	CGCAGGAGAGAGACGGGAGCTGCGGCAAGTGTGCGGCGGCTCTCTGTCAAGGAGCTGCA	2400
Qy	2451	GGCGGCTCTGAGAGATGGGAGGCTTCAAGCAAGAGCGGGGCCACACAGAGAGCAACAGGCC	2510
Db	2401	GGCGGCTCTGAGAGATGGGAGGCTTCAAGCAAGAGCGGGGCCACACAGAGAGCAACAGGCC	2460

QY	2531	AAGAAAGTCAGAGCCCACTGA	2531
Db	2461	AAGAAGTTCAGAGCCCACTGA	2481
RESULT 13			
US-09-988-686-1			
; Sequence 1, Application US/09988686			
; Publication No. US20030120052x1			
; GENERAL INFORMATION:			
; APPLICANT: Tavligian, Sean V.			
; APPLICANT: Teng, David H.F.			
; APPLICANT: Simard, Jacques			
; APPLICANT: Rommens, Johanna M.			
; APPLICANT: Myriad Genetics, Inc.			
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility			
; FILE REFERENCE: 2318-258			
; CURRENT APPLICATION NUMBER: US/09/988,686			
; PRIOR FILING DATE: 2001-11-20			
; PRIOR APPLICATION NUMBER: 09/564,805			
; PRIOR FILING DATE: 2000-05-05			
; PRIOR APPLICATION NUMBER: US 60/107,468			
; PRIOR FILING DATE: 1998-11-06			
; PRIOR APPLICATION NUMBER: 09/434,382			
; PRIOR FILING DATE: 1999-11-05			
; NUMBER OF SEQ ID NOS: 240			
; SOFTWARE: Patentin Ver. 2.0			
; SEQ ID NO 1			
; LENGTH: 2481			
; TYPE: DNA			
; ORGANISM: Homo sapiens			
; FEATURE:			
; NAME/KEY: CDS			
; LOCATION: (1)..(2478)			
US-09-988-686-1			
Query Match                83.9%; Score 2481; DB 11; Length 2481;			
Best Local Similarity 100.0%; Pred. No. 0;			
Matches 2481; Conservative 0; Mismatches 0; Indels 0; Gaps 0;			
QY	51	ATGTGGCGCTTTGCTCGCTGCTGCGTGCGGCGCGGACGCACCATGTCCGAGGAGGC	110
Db	1	ATGTGGCGCTTTGCTCGCTGCTGCGTGCGGCGCGGACGCACCATGTCCGAGGAGGC	60
QY	111	ACCATTATGCCAGGCAACCGCCCGCGGAGGCGCGCAGCAAGCACCGCTGGGCACTG	170
Db	61	ACCATTATGCCAGGCAACCGCCCGCGGAGGCGCGCAGCAAGCACCGCTGGGCACTG	120
QY	171	GCGACGCGAAGAAAGCGCGGACCGTCCGGGCTTCCTCGCGCGCCCAAACCGTGTACTG	230
Db	121	GCGACGCGAAGAAAGCGCGGACCGTCCGGGCTTCCTCGCGCGCCCAAACCGTGTACTG	180
QY	231	CAGGTGTGGCAGCGGGGTAGCCCGGGAATCCGGGCGCGGCTTCAAGTCTTCCGGAATTC	290
Db	181	CAGGTGTGGCAGCGGGGTAGCCCGGGAATCCGGGCGCGGCTTCAAGTCTTCCGGAATTC	240
QY	291	AACCGGTATCTCTTCAACTGTGGAGAAAGCGTTTGAAGACTCATCGAGAGCAAGTTA	350
Db	241	AACCGGTATCTCTTCAACTGTGGAGAAAGCGTTTGAAGACTCATCGAGAGCAAGTTA	300
QY	351	AAGTGTGCTCGCTGGACACAATATCTCTGACACGAATGCACTGTATGTGTGGGGC	410
Db	301	AAGTGTGCTCGCTGGACACAATATCTCTGACACGAATGCACTGTATGTGTGGGGC	360
QY	411	TTAAGTGAATGATCTTAACTTTAAGAAAACCGGCTTCCAAATGTGTACTTTCTGGA	470
Db	361	TTAAGTGAATGATCTTAACTTTAAGAAAACCGGCTTCCAAATGTGTACTTTCTGGA	420
QY	471	CCTCCAAACGTGAAAAATACCTCGAACAAATCAAAATATTTTCTGTGTCATTGAAAGGA	530
Db	421	CCTCCAAACGTGAAAAATACCTCGAACAAATCAAAATATTTTCTGTGTCATTGAAAGGA	480





```

; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988,626
; PRIOR FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 221
; LENGTH: 2470
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(2466)
; US-09-988-626-221

Query Match      55.6%; Score 1645.6; DB 11; Length 2470;
Best Local Similarity 81.6%; Pred. No. 0;
Matches 1988; Conservative 0; Mismatches 417; Indels 24; Gaps 4;

QY 108 GCACACATATCCGAGGACCCGCCGCCGAGCGGCCGCGAAGACCCGCTGCGGAC 167
DB 40 CCACACATATCCGAGGATTCGCTCGCTCGCGCCGCCACCCAAACCCACATGCGAC 99
QY 168 CTGCGACCGCGAGAGAGCGCGGACCGGTGCTCGGCGGCCCAACCCGCTGAC 227
DB 100 CTGCGACCGCGAGAGAGCGCGGCC-----GGGTCCGCGGCCCGCAACCGTGTAC 153
QY 228 CTGCGAGGTGTGCGACCGGGTAGCCCGGAGCTCGGCGCGCGCTCTACGCTTCTCCAG 287
DB 154 CTGCGAGGTGTGCGCGCGCGCGCGCGCGGAGCGCGGGGCTGCTCTATGCTTCTCGAA 213
QY 288 TTCAACCGGTATCTTCACTGTGAGAAAGCGTTCAGAGACTATCGACGAGACAG 347
DB 214 TCAACAGGTACTTTTAACTGCGGAGAAAGCGTCAACGACTTATGACAGAACAG 273
QY 348 TTAAGGTGCTGCGCTGACCAATATTCCTGACAGATGCACTGCTATATGTGG 407
DB 274 ACTGAAAGTCTGCTGCTGACCAATCTTCTGACCTGAGATGCTAAATGTGG 333
QY 408 GCGTTAAGTGAATGATCTTAACTTTAAGAAACCGGCTTCCAAAGTGTACTTCT 467
DB 334 GGGTGTGTGGAATGATTTTAATTTAAAGAAACCGGCTTCCAAAGTGTGTCT 393
QY 468 GGACTTCACTGAAATAATCTCTGAAAGCAATCAAAATATTTTCTGTCTATTTAA 527
DB 394 GGAACCACTGAGTGAATAATCTTAAGAGCAATCAAAATATTTCTGTCTATTTAA 453
QY 528 GGAATGAATCTGCTGCGCGCGCGCACTGCGCCCAAGATGAGAGATGAACATAGCA 587
DB 454 GGAATGAATCTGCGCGCGCGCGCTCACTGCAACGAATCAAGAGATGAGATGAGCT 513
QY 588 GTTTACAGATCCCATATACAGTGAACAGAGAGGGGAAAGCAACCATGCGAGAT 647
DB 514 GTTTTACAGATCCCATATCAAGTGAACGAGGTGTGAAAGCAACGAGCATCCGAGAG 573
QY 648 CCAGAAAGGCTCTGACAGGCTCACTGCAAGAGCATTTCAAGCTCCAGTGAATGA 707
DB 574 CCAGAAAGCTCTGCAACAGGCTCACTGCAACAGATCACTGAGATCAGCTGAA 633
QY 708 AATGACCACTCTTCACTGCTGTTAGCAAGAGAGGGGTCAAGGACTTTCCCTG 767
DB 634 AATGGC-----AGTGCACAGAGAAAGCATGGGGCAGGAGC-CTCTCTTA 678
QY 768 GTGTAGCTTTCACTGTGAAGCTTCACTTAAGAGAGAAATCTTGTGTCTCAAGCA 827

```

```

DB 679 GTGTAGCTTTTGTCTGCAAGCTTCACTTAAGAGAAAGAAATCTTGTGTCTTAAGCA 738
QY 828 AAGAGATGGGCTCCGATTTGGAGCAGCTGCAATGCTCCCATATTTGCTGCTCAAG 887
DB 739 AAGAGCTGGGCTCTCTGTGGAGCGCGCCGATTTGCAACCATATTTGCTGCTCAAG 798
QY 888 GACGGGAAAGATCACTCATGAGAGAGAGATTTGGCTGAAGACTGTATCTCT 947
DB 799 GACGGGAAAGATCACTTATGAGAGAGAGATTTGCTGCTGAAGACTTTGTACACC 858
QY 948 CCAATCTGTGTGCTTTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1007
DB 859 CCAATCTGTGTGCTTTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 918
QY 1008 ATCTGTGAATGCAACCTTTCAAGAGTACCAAGAGAAAGCAGATGCCCCGTGCTTG 1067
DB 919 ATCTGTGAATGCAACCTTTTAAAGATACAGAGAGAGCTGATGCACTGTGCGCTG 978
QY 1068 GTGTTCACATGGCCCGACATCTGTGCTGTGACAGAGGTACCAAGATGTAGAG 1127
DB 979 GTGTTCACATAGCCCGAATCTGTACTATGACAGAGATACAGAGATGTAGAG 1038
QY 1128 AGTTTGGGCTTGACACCGACACTTGTGCTGTGTGTGTGTGTGTGTGTGTGTGTGT 1187
DB 1039 AGTTTGGGCTTGACACAGCACTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1098
QY 1188 CTGCGACGCACAATTCMAACCCAGCTCAACCTATTCACCCGCAATCTTCCCTG 1247
DB 1099 CTGCGACGCACAATTCMAACCCAGCTCAACCTATTCACCCGCAATCTTCCCTG 1158
QY 1248 CTACACAGTTTCCGCTGTAGAGAGAGGAGCCCACTCACTGTGTGTGTGTGTGTGT 1307
DB 1159 CTACACAGTTTCAATAGTAGAGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1218
QY 1308 GAATGCTCTCTAAGTACAGCTCCCTCCAGAGAGAGTGGCAAGAGATATTCATAT 1367
DB 1219 GAATGCTCTCTAAGTATTCAGTCCGCGCCCAAGAGAGTGGCAAGAGATATTCAT 1278
QY 1368 ACTTGAATTCCTGAGAAATTCATAGTTGAGGCGCTGACCTTCCCACTTCCAGACAG 1427
DB 1279 GACTGCAATCACTGAGAAATTCATAGTACAGGCTTGTGAGCTCCCAATTTCCAGAGAG 1338
QY 1428 GTGCAAGATACAGAGAGAGTGGCAGAGACGCGCCAGCCGACAGAGAGAAAGTCA 1487
DB 1339 GTGAGAGATACAGAGAGAGTGGCAGAGAAACCCAGCCGACAGAGAGAAAGTCA 1398
QY 1488 TACCAAGAAATCATCTTCTTGTGAACAGGCTTCCCATTCGCAATGAATTTGAATG 1547
DB 1399 TATCTGAAATGCTCTTCTGTGTAGGAGGTCTGCAATCCCAATGAGATTCGAAATG 1458
QY 1548 AGTGCACACTTGTCAACATAGCCCGACAGCTCTGCTACTGAGCTGTGTGAGGAG 1607
DB 1459 AGTTCACACTGTCAACATAGCCCGTGAAGTCAAGTCAAGTCTGTGTGAGAGAGG 1518
QY 1608 ACATTTGGCAGCTGTGCGCTGATTAAGAGACAGAGTGAAGAGGTCTGTGAGACCTG 1667
DB 1519 ACTTTTGGCAGATGTGCGCTGATTAAGAGACAGAGTGAAGAGGTCTGTGAGAGCTC 1578
QY 1668 GCTGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1727
DB 1579 ACAGGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1638
QY 1728 CTGCAAGAGAGAGCGGCTTGGCATCTTTGGGAAAGCGCTTCACTTGTGTGTGT 1787
DB 1639 CTGCAAGAGAGAGCGGCTTGGCATCTTTGGGAAAGCGCTTCACTTGTGTGTGT 1698
QY 1788 GCCCCCAACAGCTGAGCTGTGCTGAGAGTACCAACAGAGTCCAGAGAGTCTG 1847
DB 1699 GCTCTTACCACTGAGGCTGTGCTGAGAGTATCAACACAGTCCAGAGAGATCTG 1758
QY 1848 CACCAATCATGATGATTTCTTCCAAATGCTTCAAGAAAGGGCTGAGATCTTCACTCT 1907

```

Db 1759 CACCACTGAGTATGATCTTCGCCAATGCTTCAGAAAAGGCGAGGCTCCAACTACT 1818  
 Qy 1908 GCAGTGAAGAAATGATGATCGCTGTGGCGAATGATGATTTGAAAGATTTGAGACC 1967  
 Db 1819 ACATTGGAAGGCTATAGCTGCTGTGGAAACATGTAATGAAAGATTTGAGACC 1878  
 Qy 1968 TGTCTGTGCGGCACTGCAAGCATGCTTTGCTGTGCGCTGTGCAACCTTGTGCTGG 2027  
 Db 1879 TGCCGTGATGCGCACTGCAAGCATGCTTTGCTGTGCACTGTGATTCATCTGCTGG 1938  
 Qy 2028 AAAGTGTCTATTCGGGGGCAACCATGCTTCGAGGCTCTGTGTCGGATGGGAAAGAT 2087  
 Db 1939 AAAGTGTCTATTCGGGGGCAACCATGCTTCGAGGCTCTGTGTCGGATGGGAAAGAT 1998  
 Qy 2088 GCCACCTCTCTGATTCATGAAGCAACCTCGAAGATGTTTGAAGAGAGACAGTGA 2147  
 Db 1999 GCCACCTCTCTGATTCATGAAGCAACCTCGAAGATGTTTGAAGAGAGACAGTGA 2058  
 Qy 2148 AAGACACACAGCAACGCTCCAGCCATCAGCGTGGGATGCGATGAACGCGAGATTTC 2207  
 Db 2059 AAGACACACAGCAACGCTCCAGCCATCAGCGTGGGATGCGATGAACGCGAGATTTC 2118  
 Qy 2208 ATTATGCTGAACCACTTACGCGAGCTATGCGAAGGTCCTCTTCAAGCCCACTTC 2267  
 Db 2119 ATCATGCTGAACCACTTACGCGAGCTATGCGAAGGTCCTCTTCAAGCCCACTTC 2178  
 Qy 2268 AGCGGAAGGAGGAGTGGCTTTGACCAATGAAGTGTGCTTTGAGACTTTCACCA 2327  
 Db 2179 AAGCGAAGGAGTGGATGCTTTGACCAATGAAGTGTGCTTTGAGACTTTCACCA 2238  
 Qy 2328 ATGCCAAGCTGATTCCTCCCACTGAAGCCCTGTTGTGCGAGCATGAGAGATGAG 2387  
 Db 2239 GTGCCAAGCTGATTCCTCCCACTGAAGCCCTGTTGTGCGAGCATGAGAGATGAG 2298  
 Qy 2388 GAGCGGAGGAGAGCGGAGGCTGCGGAGGTCGCGGCGGCTCTCTTCCAGGAGCTG 2447  
 Db 2299 GAGCGGAGGAGAGCGGAGGCTGCGGAGGTCGCGGCGGCTCTCTTCCAGGAGCTG 2355  
 Qy 2448 GCAGCGGCTGAGGATGAGGAGGCTGAGAGAGGCGGCGGCGGCGGCGGCGGCGG 2506  
 Db 2356 GCAGCGGCTGAGGATGAGGAGGCTGAGAGAGGCGGCGGCGGCGGCGGCGGCGG 2414

# RESULT 15

US-09-988-687-221  
 ; Sequence 221, Application US/09988687  
 ; Publication No. US20030045704A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Tavtigian, Sean V.  
 ; APPLICANT: Teng, David H.F.  
 ; APPLICANT: Simard, Jacques  
 ; APPLICANT: Rommens, Johanna M.  
 ; APPLICANT: Myriad Genetics, Inc.  
 ; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
 ; FILE REFERENCE: 2318-258  
 ; CURRENT APPLICATION NUMBER: US/09/988,687  
 ; CURRENT FILING DATE: 2001-11-20  
 ; PRIOR APPLICATION NUMBER: 09/564,805  
 ; PRIOR FILING DATE: 2000-05-05  
 ; PRIOR APPLICATION NUMBER: US 60/107,468  
 ; PRIOR FILING DATE: 1998-11-06  
 ; PRIOR APPLICATION NUMBER: 09/434,382  
 ; PRIOR FILING DATE: 1999-11-05  
 ; NUMBER OF SEQ ID NOS: 240  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 221  
 ; LENGTH: 2470  
 ; TYPE: DNA  
 ; ORGANISM: Mus musculus  
 ; FEATURE:  
 ; NAME/KEY: CDS  
 ; LOCATION: (1)..(2466)

US-09-988-687-221  
 Query Match 55.6%; Score 1645.6; DB 11; Length 2470;  
 Best Local Similarity 81.6%; Pred. No. 0;  
 Matches 1958; Conservative 0; Mismatches 417; Indels 24; Gaps 4;

Qy 108 GCACCATATGCGAGCAACCGCCCGCGAGCGCGCGAGAGCCGCTGCGGAC 167  
 Db 40 CGACCATATGCGAGGAGTTCGCTGTGCGCGCGCGGACCAACCAAGCACTGCGAC 99  
 Qy 168 CTGCGCAACCGAGAGAGCGGAGACCGTCTGCGGAGTCTCGCGCGGCAACCGTGA 227  
 Db 100 CTGCGTACGCGGAGAGAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 153  
 Qy 228 CTGCGAGTGTGCGAGCGGAGTACCGGAGCTCGGCGCGCGCGCTTACGCTCTTCGAG 287  
 Db 154 CTGCGAGTGTGCGAGCGGAGTACCGGAGCTCGGCGCGCGCGCTTACGCTCTTCGAG 213  
 Qy 288 TTCAACCGGATCTCTTCACTGTGAGAGAGCGCTTCAAGATCTCATGCAAGAGCAAG 347  
 Db 214 TACAAACAGTACCTTTTAACTGCGGAGAGAGCGGCTTCAACGACTTATGCAAGCAAG 273  
 Qy 348 TTAAAGTGTCTCGCTGAGCAATATCTCTGACAGATGCACTGCTTAATGTTGG 407  
 Db 274 ACTGAAGTCTCGCTTGAACAACATCTTCTGACTCGAGTGCATGTTGCAATGTTGG 333  
 Qy 408 GGCCTAAGTGAATGATCTTAAAGGAAACCGGCGCTTCAAGTGTACTTTCT 467  
 Db 334 GGGTGTGTGAATATTTTAACTTTAAAGAAACCGGCGCTTCAAGTGTGTGCT 393  
 Qy 468 GGACCTCCACAACCTGAGAAATATCTCGAAGCAATCAAAATATTTTCTGTGCTATTGAA 527  
 Db 394 GGACCAACACAGCTGTGAGAAATATCTGAGCAATCAAAATATTTTCTGTGCTATTGAA 453  
 Qy 528 GGAATAGAACTGTGCTGTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 587  
 Db 454 GGAATAGAACTGTGCTGTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 513  
 Qy 588 GTTAAACGATGCCCATACAGTGAAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGG 647  
 Db 514 GTTAAACGATGCCCATACAGTGAAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGG 573  
 Qy 648 CCAGAAAGGCTCTCAGCAGGCTCAGTCCAGAGCATCTTCAAGTCCAGTCAATGA 707  
 Db 574 CCAGAAAGGCTCTCAGCAGGCTCAGTCCAGAGCATCTTCAAGTCCAGTCAATGA 633  
 Qy 708 AATGAGCAACCTTCAACATGTGTGAGCAAGAGAGAGGAGGAGGAGGAGGAGGAG 767  
 Db 634 AATGAGC-----AGTGCACAAAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGG 678  
 Qy 768 GTCTAGCTTCACTGTGAAGCTTCACTTAAAGAGAGAACTTGTGTGCTCAAGCA 827  
 Db 679 GTCTAGCTTCACTGTGAAGCTTCACTTAAAGAGAGAACTTGTGTGCTCAAGCA 738  
 Qy 828 AAGAGATGAGGCTCCAGTGTGAGCAGCTGCAATGCTCCATCATGCTGTCTGAG 887  
 Db 739 AAGAGATGAGGCTCCAGTGTGAGCAGCTGCAATGCTCCATCATGCTGTCTGAG 798  
 Qy 888 GAGCGGAAAGCATCACTCATGAAGAGAGAGATTTTGTGAGAGCTGTGAACCTCT 947  
 Db 799 GAGCGGAAAGCATCACTCATGAAGAGAGAGATTTTGTGAGAGCTGTGAACCTCT 858  
 Qy 948 CCAATCTGTGTGCTCTTGTGTGTGTAATGTCCAGATGAAAGCTTCAATCAACCC 1007  
 Db 859 CCAATCTGTGTGCTCTTGTGTGTGTAATGTCTGTGAAGATTCATCTGTGCC 918  
 Qy 1008 ATCTGTGAATGCAACCTTCAAGAGTACCAAGAGAGAGAGATGCCCCGTGCTG 1067  
 Db 919 ATCTGTGAATGCAACCTTCAAGAGTACCAAGAGAGAGATGCCCCGTGCTG 978  
 Qy 1068 GTGCTTCAATGAGGCGGAGCATGTGTGCTGTGAGCAGAGGATCAAGAGTGTGAG 1127  
 Db 979 GTGCTTCAATGAGGCGGAGCATGTGTGCTGTGAGCAGAGGATCAAGAGTGTGAG 1038

QY 1128 AGTTTGGGCTGACACCCAGACCTTGGTCTGAAATGAGAACTGTGCTCACTTCAAC 1187  
 DB 1039 AGTTTGGGCTGACACACAGACCTGATTTGAAATGAGAAATGGCCCTCGTCCACAC 1098  
 QY 1188 CTTCGACGACACAAATTCMAAACCAGCTCAACTTCATCCACCAGACATCTTCCCTCG 1247  
 DB 1099 CTTCGACGACACAAATTCAGACCCAGCTCAGCTTCATCCACCTTGACATCTTCCCTCG 1158  
 QY 1248 CTCACCACTTTCCGCTGTAAAGAGAGGGCCCACTTCATGTGCTCCATGGTTCAAGGT 1307  
 DB 1159 CTTCACCACTTTCTAATAGTAAGAGAGGGCTCACCTCAGCTGCAACATTTGGGGT 1218  
 QY 1308 GAATGCTCTCTCAAGATCCAGCTCCGTCAGAGAGAGATGGCAGAGAGATCCATTTAT 1367  
 DB 1219 GAATGCTCTCTCAAGATTCAGTCCGCTCCAGAGAGAGATGGCAGAGAGATCCACATC 1278  
 QY 1368 ACTTCGAATCTGAGGAATTCATAGTTGAGGCGCTGACATTTCCAACTTCCAGCAGAC 1427  
 DB 1279 GACTGCAATCTGATGAAATTCATAGCTGAGGCTTGAGACTCCCGATTTCCAGAGAGAT 1338  
 QY 1428 GTTCAGAGATTAAGAGAGAGTCCGACAGACCGCCCAAGCCCAAGAGAAAGATCG 1487  
 DB 1339 GTTCAGAGAGATTCGAGAGAACTGACAGAAACCCAGCCCAAGAGAAAGAGCCAG 1398  
 QY 1488 TACCCGAATCATCTTCTTGGAACAGGGGTCTGCATCCGATGAAAGATTCGAAATGTC 1547  
 DB 1399 TATCTGAATATGTTCTTCTTGGAACAGGGGTCTGCATCCGATGAAAGATTCGAAATGTC 1458  
 QY 1548 AGTGCACACTTGTCAACATTAAGCCCGACACGCTCTGCTA CTGACTGTGTAGAGGC 1607  
 DB 1459 AGTGCACACTGTCAACCTTAAGCCCGACCAAGTCACTGCTCTGATGTGAGAGAGC 1518  
 QY 1608 ACATTTGGGACGTGTGCTGCTCACTTAACAGACCAAGTGAACAGGTCCTGGGCAACCTG 1667  
 DB 1519 ACTTTTGGGACGTGTGCTGCTCACTTAACAGACCAAGTGAACAGGTCCTGGGCAACCTG 1578  
 QY 1668 GCTGCTGTGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1727  
 DB 1579 AGGCTGTGTGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1638  
 QY 1728 CTGCAGAGAAACGCGCTTGGCATCTTTGGAAAGCGGCTTCACTTGTGTGTGTG 1787  
 DB 1639 CTGCAGAGAGAGATCGTTGGCATCTTGGGAAACCTTCCAGGCTTGTGTGTGTG 1698  
 QY 1788 GCGCCCAACAGTGTAAAGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1847  
 DB 1699 GCTCTCAACAGTGTAAAGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1758  
 QY 1848 CACCAATCATGATGATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1907  
 DB 1759 CACCAATCATGATGATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1818  
 QY 1908 GCAGTGAAGAAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1967  
 DB 1819 ACATTTGAAGAGGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1878  
 QY 1968 TGTCTGT 2027  
 DB 1879 TGTCTGT 1938  
 QY 2028 AAAGGTGTATTTCCGAGGACCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2087  
 DB 1939 AAAGGTGTATTTCCGAGGAGTACATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1998  
 QY 2088 GCCACCTCTCTGATACATGAGCCATCTGGAAGATGTTTGAAGAGAGAGCATGTGAA 2147  
 DB 1999 GCCACCTCTCTGATACATGAGCCATCTGGAAGATCNCCTTGAAGAGAGAGCATGTGAG 2058  
 QY 2148 AAGACACACAGCAACGTCCTCAAGCATCAGCTGGGATGCGATGAACGCGAGTTC 2207  
 DB 2059 AAGACACACAGCAACGTCCTCAAGCATCAGCTGGGATGCGATGAATGCGAGTTC 2118

QY 2208 ATATGCTGAACCACTTCAGCCAGCGCTATGCAAGTGTCCCTCTTCAAGCCCAACTTC 2267  
 DB 2119 ATATGCTGAACCACTTCAGCTAGCGGTACGMAAGATCCCCCTTTCAGCCCTGACTTC 2178  
 QY 2268 AGCGAAGAGTGGAGTGGCTTGAACCAATGAAGATCTGCTTGAAGATTCCTCA 2327  
 DB 2179 AACGAAAGTGGAGTGGCTTGAACCAATGAAGATCTGCTTGAAGATTCCTCA 2238  
 QY 2328 ATGCCAAGTGTATTCCTCACTGAAAGCTGTTTGTGCTGCAATCGAGAGATGAG 2387  
 DB 2239 GTGCCAAGTGTATTCCTCACTGAAAGCTGTTTGTGCTGCAATCGAGAGATGAG 2298  
 QY 2388 GAGCGAG 2447  
 DB 2299 GAGCGAG 2355  
 QY 2448 GAGCGAG 2506  
 DB 2356 GAGCGAG 2414

Search completed: January 14, 2004, 07:37:26  
 Job time : 1098.82 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: January 13, 2004, 17:53:35 / Search time 22 Seconds  
(without alignments)  
1588.580 Million cell updates/sec

Title: US-09-434-382-2

Perfect score: 4325  
Sequence: 1 MMALCSLRSAAAGRTMSQGR.....EPQKRAETEPQAKVRAQ 826

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents\_AA:\*  
1: /cgn2\_6/ptodata/1/1aa/5A\_COMB.pep:\*  
2: /cgn2\_6/ptodata/1/1aa/5B\_COMB.pep:\*  
3: /cgn2\_6/ptodata/1/1aa/6A\_COMB.pep:\*  
4: /cgn2\_6/ptodata/1/1aa/6B\_COMB.pep:\*  
5: /cgn2\_6/ptodata/1/1aa/PTUS\_COMB.pep:\*  
6: /cgn2\_6/ptodata/1/1aa/backfile1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	4325	100.0	826	4	US-09-564-805-2
2	4283	99.0	826	4	US-09-564-805-224
3	4261	98.5	826	4	US-09-564-805-226
4	3473.5	80.3	822	4	US-09-564-805-232
5	875.5	20.2	837	4	US-09-564-805-228
6	760	17.6	844	4	US-09-564-805-227
7	599.5	13.9	838	3	US-09-315-794-52
8	599.5	13.9	838	3	US-09-389-341-52
9	599.5	13.9	838	4	US-09-564-805-229
10	420	9.7	81	4	US-09-564-805-211
11	281	6.5	307	4	US-09-564-805-232
12	278	6.4	73	4	US-09-564-805-213
13	275	6.4	311	4	US-09-564-805-230
14	245.5	5.7	363	4	US-09-564-805-220
15	243.5	5.6	326	4	US-09-564-805-231
16	241.5	5.6	307	4	US-09-134-001C-3238
17	233	5.4	307	4	US-09-198-452A-43
18	203	4.7	324	4	US-09-328-352-4636
19	122.5	2.8	163	4	US-09-107-532A-6424
20	120.5	2.8	167	4	US-08-858-207A-353
21	112	2.6	1093	5	PCT-US93-03077-1
22	112	2.6	1404	4	US-09-345-473E-24
23	109.5	2.5	1649	4	US-09-535-008-75
24	109.5	2.5	1650	4	US-09-535-008-71
25	108.5	2.5	733	3	US-08-725-459B-28
26	108	2.5	769	3	US-08-725-459B-39
27	108	2.5	1141	1	US-08-363-300-2

28	107	2.5	556	4	US-09-011-762-7	Sequence 7, Appl1
29	106.5	2.5	733	3	US-08-725-459B-30	Sequence 30, Appl1
30	106.5	2.5	1724	4	US-09-607-510-2	Sequence 2, Appl1
31	106.5	2.5	2205	1	US-08-093-453B-2	Sequence 2, Appl1
32	105	2.4	630	3	US-08-725-459B-17	Sequence 17, Appl1
33	105	2.4	680	3	US-08-725-459B-3	Sequence 3, Appl1
34	105	2.4	730	3	US-08-725-459B-2	Sequence 2, Appl1
35	105	2.4	733	3	US-08-725-459B-29	Sequence 29, Appl1
36	105	2.4	769	3	US-08-725-459B-35	Sequence 35, Appl1
37	105	2.4	773	1	US-08-524-757-6	Sequence 6, Appl1
38	105	2.4	773	3	US-08-725-459B-1	Sequence 1, Appl1
39	105	2.4	773	3	US-08-725-459B-79	Sequence 79, Appl1
40	103	2.4	548	2	US-08-452-075-3	Sequence 3, Appl1
41	103	2.4	548	3	US-09-231-061-2	Sequence 2, Appl1
42	102.5	2.4	1374	4	US-09-252-991A-24636	Sequence 24636, A
43	102	2.4	769	3	US-08-725-459B-40	Sequence 40, Appl1
44	102	2.4	1356	3	US-09-098-707A-2	Sequence 2, Appl1
45	102	2.4	1356	4	US-09-483-539-2	Sequence 2, Appl1

ALIGNMENTS

```
RESULT 1
US-09-564-805-2
; Sequence 2, Application US/09564805
; Patent No. 6333403
; GENERAL INFORMATION:
; APPLICANT: Taviglian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 2
; LENGTH: 826
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-564-805-2
Query Match      100.0%; Score 4325; DB 4; Length 826;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 826; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
1 MMALCSLRSAAAGRTMSQGRITISQAPARRRRPKDPLHLPTREKRGSGCGGNTVYL 60
1 MMALCSLRSAAAGRTMSQGRITISQAPARRRRPKDPLHLPTREKRGSGCGGNTVYL 60
61 QVVAAGSRDGSALVVFSEFNRYLFCNCGEVQRLMOEHKLKVARLDNI FLTRMHSNVG 120
61 QVVAAGSRDGSALVVFSEFNRYLFCNCGEVQRLMOEHKLKVARLDNI FLTRMHSNVG 120
61 QVVAAGSRDGSALVVFSEFNRYLFCNCGEVQRLMOEHKLKVARLDNI FLTRMHSNVG 120
121 LSGMTLTKEGTLPRCVISGPPQLEKYLEATKIFSGPLKGTLELAARPSAPYEDETMTV 180
121 LSGMTLTKEGTLPRCVISGPPQLEKYLEATKIFSGPLKGTLELAARPSAPYEDETMTV 180
121 LSGMTLTKEGTLPRCVISGPPQLEKYLEATKIFSGPLKGTLELAARPSAPYEDETMTV 180
181 VOIPHSQRGKQHPMOSPERPLSRSPSSSESNENEPHLPBGVSQRGVADSSLV 240
181 VOIPHSQRGKQHPMOSPERPLSRSPSSSESNENEPHLPBGVSQRGVADSSLV 240
241 VAFICKLHLKGNFLVLAKEMGLPVGTAAIAPITAAVYDGSITHEGREITIAEELCTPP 300
241 VAFICKLHLKGNFLVLAKEMGLPVGTAAIAPITAAVYDGSITHEGREITIAEELCTPP 300
```

```

QY 301 DGAAFVVECEPDESFIOPIGENATFORXGKADAPVALVHMAPASVLDVSRYOQMMER 360
DB 301 DGAAFVVECEPDESFIOPIGENATFORXGKADAPVALVHMAPASVLDVSRYOQMMER 360
QY 361 FGPDQHLVLNENCASVHNLRSKHIQTQNLHPDIFFLLTSFRCKEGPTLSVPMVOGE 420
DB 361 FGPDQHLVLNENCASVHNLRSKHIQTQNLHPDIFFLLTSFRCKEGPTLSVPMVOGE 420
QY 421 CLKYQLRPRRERWQDAIITTCNPEEFIVEALQLPNFQOSVOERYRSADGPAERKSOY 480
DB 421 CLKYQLRPRRERWQDAIITTCNPEEFIVEALQLPNFQOSVOERYRSADGPAERKSOY 480
QY 481 PEIIFLGTSALPMKIRNVASATLVNISPTSLLDGEGTFCQLCRHNGDOVDRVLGTLA 540
DB 481 PEIIFLGTSALPMKIRNVASATLVNISPTSLLDGEGTFCQLCRHNGDOVDRVLGTLA 540
QY 541 AVFVSHLHADHTGTPSLILQERALASLGKPLHPLVVAPOQLKAWLQOYHNOQCEVLH 600
DB 541 AVFVSHLHADHTGTPSLILQERALASLGKPLHPLVVAPOQLKAWLQOYHNOQCEVLH 600
QY 601 HISMIPAKCLOGAIESSPAVERLLISLRTCDLEEFOTCLVRHCKHAFGALVHTSGWK 660
DB 601 HISMIPAKCLOGAIESSPAVERLLISLRTCDLEEFOTCLVRHCKHAFGALVHTSGWK 660
QY 661 VVYSGDTPMCEALVVMGKDATLLIHEATLEDEGEAEVEXTSTTSQAISVGMNNAEFI 720
DB 661 VVYSGDTPMCEALVVMGKDATLLIHEATLEDEGEAEVEXTSTTSQAISVGMNNAEFI 720
QY 721 MLNHFQRYAKVPLSPNPFSEKVGVAFDHMKVCFDGFPTMPKLIPLKALFAGDIEEMEE 780
DB 721 MLNHFQRYAKVPLSPNPFSEKVGVAFDHMKVCFDGFPTMPKLIPLKALFAGDIEEMEE 780
QY 781 REKRELQVRAALLSRELAGGLEDEGEPOQKRAHTEEPQAKKVRQA 826
DB 781 REKRELQVRAALLSRELAGGLEDEGEPOQKRAHTEEPQAKKVRQA 826

```

## RESULT 2

```

US-09-564-805-224
; Sequence 224, Application US/09564805
; Patent No. 6333403
; GENERAL INFORMATION:
; APPLICANT: Tavitigian, Sean V.
; APPLICANT: Teng, David H. F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/564, 805
; CURRENT FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1998-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 224
; LENGTH: 826
; TYPE: PRT
; ORGANISM: Pan troglodytes
US-09-564-805-224

```

Query Match 99.0%; Score 4283; DB 4; Length 826;

Best Local Similarity 98.9%; Pred. No. 0;

Matches 817; Conservative 4; Mismatches 5; Indels 0; Gaps 0;

```

QY 1 MMALCSLRSAGRTMSQGTISQAPARRPRKDPRLHRTKRGKSPSCSGGPNVTYI 60
DB 1 MMALCSLRSAGRTMSQGTISQAPARRPRKDPRLHRTKRGKSPSCSGGPNVTYI 60

```

```

QY 61 QVAAAGSDSGAALYVFSEFNRYLFCNCEGVQRLMOEHKLKYARLDNIPLTRHMSNVGG 120
DB 61 QVAAAGSDSGAALYVFSEFNRYLFCNCEGVQRLMOEHKLKYARLDNIPLTRHMSNVGG 120
QY 121 LSGMTLTKETGLPKCVLSPGPOLEKYLEAIKISGPKIGTIELAVRPHSAPVEDEMTIV 180
DB 121 LSGMTLTKETGLPKCVLSPGPOLEKYLEAIKISGPKIGTIELAVRPHSAPVEDEMTIV 180
QY 181 YQIPIHSEQRGKIQPMQSPERPLSRSPERSSDSESNENEPHLPNGVQORGVADSILV 240
DB 181 YQIPIHSEQRGKIQPMQSPERPLSRSPERSSDSESNENEPHLPNGVQORGVADSILV 240
QY 241 VAFICKLHKRGNFLVLAKEMGLPVGTAAIAPITIAAYQDGSITHEREELAEELCTPP 300
DB 241 VAFICKLHKRGNFLVLAKEMGLPVGTAAIAPITIAAYQDGSITHEREELAEELCTPP 300
QY 301 DGAAFVVECEPDESFIOPIGENATFORXGKADAPVALVHMAPASVLDVSRYOQMMER 360
DB 301 DGAAFVVECEPDESFIOPIGENATFORXGKADAPVALVHMAPASVLDVSRYOQMMER 360
QY 361 FGPDQHLVLNENCASVHNLRSKHIQTQNLHPDIFFLLTSFRCKEGPTLSVPMVOGE 420
DB 361 FGPDQHLVLNENCASVHNLRSKHIQTQNLHPDIFFLLTSFRCKEGPTLSVPMVOGE 420
QY 421 CLKYQLRPRRERWQDAIITTCNPEEFIVEALQLPNFQOSVOERYRSADGPAERKSOY 480
DB 421 CLKYQLRPRRERWQDAIITTCNPEEFIVEALQLPNFQOSVOERYRSADGPAERKSOY 480
QY 481 PEIIFLGTSALPMKIRNVASATLVNISPTSLLDGEGTFCQLCRHNGDOVDRVLGTLA 540
DB 481 PEIIFLGTSALPMKIRNVASATLVNISPTSLLDGEGTFCQLCRHNGDOVDRVLGTLA 540
QY 541 AVFVSHLHADHTGTPSLILQERALASLGKPLHPLVVAPOQLKAWLQOYHNOQCEVLH 600
DB 541 AVFVSHLHADHTGTPSLILQERALASLGKPLHPLVVAPOQLKAWLQOYHNOQCEVLH 600
QY 601 HISMIPAKCLOGAIESSPAVERLLISLRTCDLEEFOTCLVRHCKHAFGALVHTSGWK 660
DB 601 HISMIPAKCLOGAIESSPAVERLLISLRTCDLEEFOTCLVRHCKHAFGALVHTSGWK 660
QY 661 VVYSGDTPMCEALVVMGKDATLLIHEATLEDEGEAEVEXTSTTSQAISVGMNNAEFI 720
DB 661 VVYSGDTPMCEALVVMGKDATLLIHEATLEDEGEAEVEXTSTTSQAISVGMNNAEFI 720
QY 721 MLNHFQRYAKVPLSPNPFSEKVGVAFDHMKVCFDGFPTMPKLIPLKALFAGDIEEMEE 780
DB 721 MLNHFQRYAKVPLSPNPFSEKVGVAFDHMKVCFDGFPTMPKLIPLKALFAGDIEEMEE 780
QY 781 REKRELQVRAALLSRELAGGLEDEGEPOQKRAHTEEPQAKKVRQA 826
DB 781 REKRELQVRAALLSRELAGGLEDEGEPOQKRAHTEEPQAKKVRQA 826

```

## RESULT 3

```

US-09-564-805-226
; Sequence 226, Application US/09564805
; Patent No. 6333403
; GENERAL INFORMATION:
; APPLICANT: Tavitigian, Sean V.
; APPLICANT: Teng, David H. F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/564, 805
; CURRENT FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1998-11-05
; NUMBER OF SEQ ID NOS: 240

```

SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO 226  
 LENGTH: 826  
 TYPE: PRT  
 ORGANISM: Gorilla gorilla  
 US-09-564-805-226

Query Match 98.5%; Score 4261; DB 4; Length 826;  
 Best Local Similarity 98.5%; Pred. No. 0;  
 Matches 814; Conservative 5; Mismatches 7; Indels 0; Gaps 0;

QY 1 MMALCSLRSAAGRTMSQRTISQAPARRRRKDPPLHLRTREKRGSGSGGNTVYL 60  
 DB 1 MMALCSLRSAAGRTMSQRTISQAPARRRRKDPPLHLRTREKRGSGSGGNTVYL 60  
 QY 61 QVAAAGSDSGAALVVFSEFNRYLFNCGEVORLMOEHKLKVARLDNIPLTMMHNSVGG 120  
 DB 61 QVAAAGSDSGAALVVFSEFNRYLFNCGEVORLMOEHKLKVARLDNIPLTMMHNSVGG 120  
 QY 121 LSGMILITLKEGTGLPKCVLSGPPQLEKYLEAIKIFSGPLKGIELAVRPHSAPRYEDETMTV 180  
 DB 121 LSGMILITLKEGTGLPKCVLSGPPQLEKYLEAIKIFSGPLKGIELAVRPHSAPRYEDETMTV 180  
 QY 181 YQIPHSBQRCKQHPWQSPERPRLSPERSDSESNENEPHLPHGVQSRGVRDSSIV 240  
 DB 181 YQIPHSBQRCKQHPWQSPERPRLSPERSDSESNENEPHLPHGVQSRGVRDSSIV 240  
 QY 241 VAFICLKLKGNFLVLAKEMGLPVGTAAIPITIAVVDGKSIHGEGLIAEELCTPP 300  
 DB 241 VAFICLKLKGNFLVLAKEMGLPVGTAAIPITIAVVDGKSIHGEGLIAEELCTPP 300  
 QY 301 DPGAFAVVECEPDESFIOPIECENATFORYGKADAPVALVVMAPASVYVDSRYOQMMER 360  
 DB 301 DPGAFAVVECEPDESFIOPIECENATFORYGKADAPVALVVMAPASVYVDSRYOQMMER 360  
 QY 361 FGPDTQHLVLNENCAVHNLRSHKIQTQNLNHPDIPLLTISFRCKKEGPTLSVPMVQGE 420  
 DB 361 FGPDTQHLVLNENCAVHNLRSHKIQTQNLNHPDIPLLTISFRCKKEGPTLSVPMVQGE 420  
 QY 421 CLTKQALPREMOWDAIITCNPEEFIVEALQLPNFQOSVOERYRSVDVPAARERQY 480  
 DB 421 CLTKQALPREMOWDAIITCNPEEFIVEALQLPNFQOSVOERYRSVDVPAARERQY 480  
 QY 481 PEIIFLGTGSAIPMKIRNVSATLVNISPTSLILDCGEGTFCQLCRHYGDOVDVYLGTIA 540  
 DB 481 PEIIFLGTGSAIPMKIRNVSATLVNISPTSLILDCGEGTFCQLCRHYGDOVDVYLGTIA 540  
 QY 541 AVFVSHLHADHTGLPSILLORERLASLIGKPLHPLVVAPOQLKAMLQOYHNOCCOEVLA 600  
 DB 541 AVFVSHLHADHTGLPSILLORERLASLIGKPLHPLVVAPOQLKAMLQOYHNOCCOEVLA 600  
 QY 601 HISMIAPACLOEGAGISSPAVERLLISLRTCDLEEFQCLVRHCKHAFGCLVHTSGMK 660  
 DB 601 HISMIAPACLOEGAGISSPAVERLLISLRTCDLEEFQCLVRHCKHAFGCLVHTSGMK 660  
 QY 661 VVYSGDTMPCEALVOMGKDATLLIHEATLEJDLSEEAVEKTHSTTSQASISVGRMNAEF 720  
 DB 661 VVYSGDTMPCEALVOMGKDATLLIHEATLEJDLSEEAVEKTHSTTSQASISVGRMNAEF 720  
 QY 721 MLNHSQRYAKVPLFSPNFSEKRVGVAFDHMKVCFQDFPTMPRLIPPLKALFAGDIEEMEE 780  
 DB 721 MLNHSQRYAKVPLFSPNFSEKRVGVAFDHMKVCFQDFPTMPRLIPPLKALFAGDIEEMEE 780  
 QY 781 RREKRELOVRAALLSRELAGEPQOQRAHTEEPQAKKVRQ 826  
 DB 781 RREKRELOVRAALLSRELAGEPQOQRAHTEEPQAKKVRQ 826

RESULT 4  
 US-09-564-805-222  
 Sequence 222, Application US/09564805  
 Patent No. 6333403  
 GENERAL INFORMATION:

APPLICANT: Tavtigian, Sean V.  
 APPLICANT: Teng, David H.F.  
 APPLICANT: Simard, Jacques  
 APPLICANT: Rommens, Johanna M.  
 APPLICANT: Myriad Genetics, Inc.  
 TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
 FILE REFERENCE: 2318-258  
 CURRENT APPLICATION NUMBER: US/09/564,805  
 PRIOR FILING DATE: 1998-11-06  
 PRIOR APPLICATION NUMBER: 09/434,382  
 NUMBER OF SEQ ID NOS: 240  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO 222  
 LENGTH: 822  
 TYPE: PRT  
 ORGANISM: Mus musculus  
 US-09-564-805-222

Query Match 80.3%; Score 3473.5; DB 4; Length 822;  
 Best Local Similarity 80.5%; Pred. No. 0;  
 Matches 665; Conservative 66; Mismatches 76; Indels 19; Gaps 6;

QY 1 MMALCSLRSAAGRTMSQRTISQAPARRRRKDPPLHLRTREKRGSGSGGNTVYL 60  
 DB 1 MMALCSLRSAAGRTMSQRTISQAPARRRRKDPPLHLRTREKRGSGSGGNTVYL 60  
 QY 61 QVAAAGSDSGAALVVFSEFNRYLFNCGEVORLMOEHKLKVARLDNIPLTMMHNSVGG 120  
 DB 61 QVAAAGSDSGAALVVFSEFNRYLFNCGEVORLMOEHKLKVARLDNIPLTMMHNSVGG 120  
 QY 121 LSGMILITLKEGTGLPKCVLSGPPQLEKYLEAIKIFSGPLKGIELAVRPHSAPRYEDETMTV 180  
 DB 121 LSGMILITLKEGTGLPKCVLSGPPQLEKYLEAIKIFSGPLKGIELAVRPHSAPRYEDETMTV 180  
 QY 181 YQIPHSBQRCKQHPWQSPERPRLSPERSDSESNENEPHLPHGVQSRGVRDSSIV 240  
 DB 181 YQIPHSBQRCKQHPWQSPERPRLSPERSDSESNENEPHLPHGVQSRGVRDSSIV 240  
 QY 241 VAFICLKLKGNFLVLAKEMGLPVGTAAIPITIAVVDGKSIHGEGLIAEELCTPP 300  
 DB 241 VAFICLKLKGNFLVLAKEMGLPVGTAAIPITIAVVDGKSIHGEGLIAEELCTPP 300  
 QY 301 DPGAFAVVECEPDESFIOPIECENATFORYGKADAPVALVVMAPASVYVDSRYOQMMER 360  
 DB 301 DPGAFAVVECEPDESFIOPIECENATFORYGKADAPVALVVMAPASVYVDSRYOQMMER 360  
 QY 361 FGPDTQHLVLNENCAVHNLRSHKIQTQNLNHPDIPLLTISFRCKKEGPTLSVPMVQGE 420  
 DB 361 FGPDTQHLVLNENCAVHNLRSHKIQTQNLNHPDIPLLTISFRCKKEGPTLSVPMVQGE 420  
 QY 421 CLTKQALPREMOWDAIITCNPEEFIVEALQLPNFQOSVOERYRSVDVPAARERQY 480  
 DB 421 CLTKQALPREMOWDAIITCNPEEFIVEALQLPNFQOSVOERYRSVDVPAARERQY 480  
 QY 481 PEIIFLGTGSAIPMKIRNVSATLVNISPTSLILDCGEGTFCQLCRHYGDOVDVYLGTIA 540  
 DB 481 PEIIFLGTGSAIPMKIRNVSATLVNISPTSLILDCGEGTFCQLCRHYGDOVDVYLGTIA 540  
 QY 541 AVFVSHLHADHTGLPSILLORERLASLIGKPLHPLVVAPOQLKAMLQOYHNOCCOEVLA 600  
 DB 541 AVFVSHLHADHTGLPSILLORERLASLIGKPLHPLVVAPOQLKAMLQOYHNOCCOEVLA 600  
 QY 601 HISMIAPACLOEGAGISSPAVERLLISLRTCDLEEFQCLVRHCKHAFGCLVHTSGMK 660  
 DB 601 HISMIAPACLOEGAGISSPAVERLLISLRTCDLEEFQCLVRHCKHAFGCLVHTSGMK 660  
 QY 661 VVYSGDTMPCEALVOMGKDATLLIHEATLEJDLSEEAVEKTHSTTSQASISVGRMNAEF 720  
 DB 661 VVYSGDTMPCEALVOMGKDATLLIHEATLEJDLSEEAVEKTHSTTSQASISVGRMNAEF 720  
 QY 721 MLNHSQRYAKVPLFSPNFSEKRVGVAFDHMKVCFQDFPTMPRLIPPLKALFAGDIEEMEE 780  
 DB 721 MLNHSQRYAKVPLFSPNFSEKRVGVAFDHMKVCFQDFPTMPRLIPPLKALFAGDIEEMEE 780  
 QY 781 RREKRELOVRAALLSRELAGEPQOQRAHTEEPQAKKVRQ 826  
 DB 781 RREKRELOVRAALLSRELAGEPQOQRAHTEEPQAKKVRQ 826







Db	215	AGLAKTYIPL-----SP-PLN-----IGSNSSKN-----	YK 241
Qy	236	DSLSVVAATCKLHKRGNFLVAKEMGLPVGTAAIAPITAAVQKGSIT-HEGREILAE	294
Db	242	VNNVDIAFLIEKKEARRIDTMMELKVPKG-----PLIGKLKSGEAVTLPGRTIQDP	296
Qy	295	ELCTP---PDPEAAVYVCEPDESFIOPICENATFORQOKDAPALVAVHMAPAVLVD	351
Db	297	QFFSSDKVGBDKPILLVTECTTEDHVKALIDSSLOPFL-NGKQUDYVHISDDAVINT	355
Qy	352	SRYOQMMERF-GPDTQHLVAINENCASVHMLRS-HKIOTQNLHPDIFPLTFSRCKEG	409
Db	356	PTYRLMEKLNPNSTHLLILINGNPVIPAIVESYKTRRLRSAPSLFALNHI-----	409
Qy	410	PTLSVPMVOGECILKYQ-----LRP-RREWRDAILITCNPEEFVEALOU-----DNFOQ	458
Db	410	-DWSGIITQNEELSORODQFIRVAPQRYWMBRG-ASFNEBPIVNNMLAEPETLSDKAE	467
Qy	459	SVQEFRRBAODGPAALAEKRSQYPEIIFLTGSAIIPKIRNVSAITLVINISPTLSLLDCE	518
Db	468	LIKEYOKLEKENKMDCE---FPKLTFFGTSSAVPSKYNVYGVIVAEASNSAILIDVGE	523
Qy	519	GTFGQOLCHRYG-DQYDVRVLGTAAVAVSHLADHNGLSILQREERATLSLCKPLPIL	577
Db	524	GTGGQWRAVFGEDGCKQLLVNLCVLIITAHADHNGLVTTIIRKKEAESLCAPIRPLV	583
Qy	578	VVAPNQLKAMIQOYHNOCEVLHHISMT-----PAKLOEGAEISSP-----	619
Db	584	LVCNBNVLKPKMXTY-SICFENIEHLEIYDISRYPLTPPGSPGPGPKRPLRPSPLP	642
Qy	620	--AVBRLLISL-LRKCDDLEFQCLVLRCKAKAFGLCVHTSGMKVYVSGDPTMCEALV	676
Db	643	RDVLQDDMSSFPDKMKCLDELKAVQVHHTRMANG-FVMVAGRIYVSGDPTKCDLIVE	701
Qy	677	GKDATLLHEATLEDEGLE-----BEAVEKTHSTSOAISVGMRNAEF	719
Db	702	GKDAVLVHESFTFEDGEVYDMTPKPPKLAKLISLADARKRHSITVGQAVDGKRNMAKH	761
Qy	720	IMLNHFSQRYAKVPLFSPNF--SEKGVAFDMMKYCFGDPPTWPKLIPPLKALFAGDIE	777
Db	762	IILTFHSARYPRKVPVL-PEYLDKENIGVAMDLVRRFHLPLVLSKLLPIFREVFVALEP	820
Qy	778	MEERREKREL R 788	
Db	821	LTIKKQORVLK 831	
RESULT 7			
US-09-315-794-52			
Sequence 52, Application US/09315794			
Patent No. 6197517			
GENERAL INFORMATION:			
APPLICANT: Roberts, Christopher J.			
TITLE OF INVENTION: ESSENTIAL GENES OF YEAST AS TARGETS FOR ANTIFUNGAL			
TITLE OF INVENTION: AGENTS, HERBICIDES, INSECTICIDES AND ANTI-PROLIFERATION			
FILE REFERENCE: 9301-053			
CURRENT APPLICATION NUMBER: US/09/315,794			
CURRENT FILING DATE: 1999-05-21			
NUMBER OF SEQ ID NOS: 64			
SOFTWARE: PatentIn Ver. 2.0			
SEQ ID NO 52			
LENGTH: 838			
TYPE: PRF			
ORGANISM: Saccharomyces cerevisiae			
US-09-315-794-52			
Query Match 13.9%; Score 599.5; DB 3; Length 838;			
Best Local Similarity 25.7%; Pred. No. 2,5e-49;			
Matches 221; Conservative 138; Mismatches 290; Indels 211; Gaps 36			
Qy	82	RYLP-NCBGRVRLQOEHLKLYARLDNIFLT-RMHMSNVGGLSGMILLTKEITGLPKCVUS	139

Db	28	KYFPGKIGGSGRSRLSTENKIRISKUODLFTLGLNLMWSIDGGLPGLMILLIADQGSNNVLH	87
Qy	140	GPPOLEKYLEAIKIFSGPLKGIELAVRPHSAPE--YEDETMYVQIPI--HSEQRGK	193
Db	88	YGNDDINITYVSTWRVYVFRFGIDL--NNDHIMKDEKVVYKDKIIAVKSPFVLANGGEDRLGV	145
Qy	194	HOWMOS-----PERPLSLSPERSDSSNSNENPHLPHGVSQRGRVDSLLV	241
Db	146	FDSFGVGLVRSIVAKKFPKHAFTDYYDP--SSDPHLNVELDL-----DAVEV	192
Qy	242	AFPSCKLHLK--RGNFLVTLAKEMGHPVGTAAIAPIAVADKGSIT--HEGREILAEELCT	298
Db	193	STNYEISPSFPVKGKFFVEAELITGLVPKG-----PLFALUTGQITITLDNGVLVTPGEVLE	247
Qy	299	PPDGAFAVVECPDESFIIQPICENATQRYQGAADAVALVHMAPASVLYDSRYOQM	358
Db	248	NEBHFPAKVLILDIPODLVY-----NAPEKFDYDCAELGMVVYFLGDEVTINDNLPAFI	302
Qy	359	ERGGPRTQHLVLENCASVHNIHSKTIQTOLNHLPOFLP-----LISFRCK-----	406
Db	303	DIE-----KNNYGKVNHHISH-----NKISPNITISFGSALTTLKXKALQVANNYN	348
Qy	407	--EEGPTLS-----VPMVGECILKYOLRPBRE-----WORDAITGNP-----	443
Db	349	LPKTDVFSKDFIDRPDIPLSRGTSMCKSQSEPLNTIIEKNNIHFISQNKTVTFEPRMN	408
Qy	444	-----EEFVLEALOLP-----NFOOSVOEYRRSADGPARA	474
Db	409	EEBPMKNGINEVADFSWQEIFEEH--VKPLEPLADVDVTVINNQHLVHNNFNSAE-----	461
Qy	475	EKRSQYREIIFLGTSALPMKIRNVSATLVNI-----SPDLSLLDCGEGTGGOLCR	528
Db	462	--KKHVEIITLGTGSALPSKRYRNVSTLVKVPFTDADGNTINNIMLDAGENTLGTIHR	519
Qy	527	HYGD--QVDRVILGLIAVFSYHHAHDHNGPSILQRRALASIGKRLPHLLVYAPVQLK	585
Db	520	MFSQLAVKSIPODLKNTYLSHLHADHHGIIISVL--NEWYKYNKXODETSYIYVTP----	573
Qy	586	AMVQQYHN-----OCQEVLHHISMTPA-----KCLQEGA--	614
Db	574	-W--QHHKVNEMVLVENKEILKIKYISCHFINDSFVNRQTSVPLAEFNEILKNSN	630
Qy	615	-----EISSPAVER--LISSLRTCDLEBPOTCLVRHCKHAFGALV-----HT	656
Db	631	QESNRKLEIDRDSYRDVDLLRQWYEDLSIEYFQTCRAIHCDMAYSNSITFRMDENNEHN	690
Qy	657	SGKVVYVSGDTPMC--EALVRMKXOATLIIHEATLEDSLEAVEXKHTSTTSQASVGM	714
Db	691	T-FKVSYSQDTPRIEKFSLGTGVSDLLIHEATLEQNLLEDAVKKKCHCTINEAIGVSNK	749
Qy	715	MNAEFMLNHFQRYAKVPLFSPN--FSEKGVAFDMKVCFGDPFTMKILPLKALF	771
Db	750	MNAKILILHFQRYAKPLQOLDNNIDWMARECFAPDSIMYDYKIEGQRIPLLNKAF	809
Qy	772	AGDIEEMERREKRELQYR	791
Db	810	---VEEKEEBEDVDVESVQ	826
RESULT 8			
US-09-389-341-52			
; Sequence 52, Application US/09389341			
; Patent No. 6200803			
; GENERAL INFORMATION:			
; APPLICANT: Roberts, Christopher J.			
; TITLE OF INVENTION: ESSENTIAL GENES OF YEAST AS TARGETS FOR ANTIFUNGAL			
; TITLE OF INVENTION: AGENTS, HERBICIDES, INSECTICIDES AND ANTI-PROLIFERATIVE			
; FILE REFERENCE: 9301-057			
; CURRENT APPLICATION NUMBER: US/09/389,341			
; CURRENT FILING DATE: 1999-09-02			
; EARLIER APPLICATION NUMBER: 09/315,794			

EARLIER FILING DATE: 1999-05-21  
 NUMBER OF SEQ ID NOS: 72  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO 52  
 LENGTH: 838  
 TYPE: PRT  
 ORGANISM: Saccharomyces cerevisiae  
 US-09-389-341-52

Query Match 13.9%; Score 599.5; DB 3; Length 838;  
 Best Local Similarity 25.7%; Pred. No. 2,5e-49;  
 Matches 221; Conservative 138; Mismatches 290; Indels 211; Gaps 36;

```

QY 82 RYLF--NCEGVORLQOEHLKVARLDNIFLT--RMHMSNVGSGMILTKETGLPKCVLS 139
DB 28 KYFPGKIGESGSRSLTEKIRISKDIFLTGELMWSIDGGLPGMILITADGCKSNLVYH 87
QY 140 GPPQLEKYLEAIKIFSGPLKGIELAVRPHSAE---YEDETMTVYQIPI--HSEQRCK 193
DB 88 YGNDILNIVYTWRYVFFRFGIDL--NDHIMKDEYVKDKIIAVKSFNVLKNGGEDRLGV 145
QY 194 HOPMOS-----PERPLSRSPERSDSESENEPHLPHGVSGRGRVRSLSVY 241
DB 146 FDSFGKGLRSIVAKMFPKGAFTDRYD--SSDPHLNVELPDL-----DAKAEV 192
QY 242 AFICKLHLK--RGNFLVLAKEMGLPVGTAAIAPITAAVKDGKSI--HEGREILAEELCT 298
DB 193 STNYEISPSPVKGRKVEBAIKLGVPKG-----PLFAKLTGQITLIDNGIYVTPBQVLE 247
QY 299 PPDGAAFYVVECPDESFIQPIICENATFORYGKADAPALVYVHMAVASVLVDSRYQOM 358
DB 248 NERHFAKVLIIIDIPDDLVL--NAFVEKFDYDCAELGMVYFFLGDEVITINDLFAFI 302
QY 359 ERFPGDTQHLVINECASVHNLRSHKIQTQLNLHIDIFPL-----LTSRCK----- 406
DB 303 DIFE-----KNNYGKVNHMISH-----NKISPNITSPFGSALTITKLALQVNNYN 348
QY 407 --KEGPTLS-----VPMVOGECCLKYQLRPRE-----WQDAIITCNP----- 443
DB 349 LKPTRVFSKDYDRPDTPLSRGTSCKSQEPLNTIIEKNDIHIFSQKTYTFEFRRNN 408
QY 444 -----EEFIVEALQLP-----NFQOSVQYERSAODGPADA 474
DB 409 EEPMKCNINGEVAVDFSMQEIFEEH--VKPLFPLADVIVINNQLHVDNFNNSAE----- 461
QY 475 EKRSGQPEIIFIGTSGAIPMKIRANVSATLVNI-----SPDTSILLDCGEGTGQLCR 526
DB 462 --KKKGVEIITLGTGSAIPSKYRNVSITLVKVPFTDADGNTINRNIMLDAGENTLGTIHR 519
QY 527 HYGD--QVDRVLGTLAAVFVSHLHADHTGLPSIILQREBALASLGKPLHLPLVVAPOUK 585
DB 520 MFSQALVAKSIPODLKMIYISHLHADHHLGIIISVL--NEWYKYNKDEDTSYIYVVP----- 573
QY 586 AMLQOYHN-----OCQOEVLHHSIMIPA-----KCLQEGA- 614
DB 574 -N--QYHKVNMVLEVLNKEIILKIKYISCEHFINDSFRMOTQSVPLAEFNEILKENSN 630
QY 615 -----EISSPAVER---LISSLRTCDLEEFQTLVHCKRAFCALV-----HT 656
DB 631 QESNRKLEIDRDSYDVLIRQWYEDLSIEYFQTRAIHCDMAYNSITFRDENNEHN 690
QY 657 SGMKVYVSGDTPMC--EALVPMGKDATLIIHEATLEDGLEEBAVEKTHSTSOAISVGMR 714
DB 691 T-FKYSYSGDTPRNIAIKFSLEIGYNSDLIHENTLLEKQLEDVKKKQCTINELAISVSK 749
QY 715 KNAEFLIMLHFSQYAKVPLFSPN--FSEKGVAVADHKVCVCGDEPTMKLIPPLKALF 771
DB 750 KNAARKLILHFSQRYKLPQLDNNIDVMARECFADSMIVDYEKIGEOORIFPLLNKAF 809
QY 772 AGDIEMERREKRELDROYR 791
DB 810 ---VEKEEBEDVDVESVQ 826
  
```

RESULT 9  
 US-09-564-805-229

Sequence 229; Application US/09564805

Patent No. 6333403

GENERAL INFORMATION:

APPLICANT: Tavligian, Sean V.

APPLICANT: Teng, David H.F.

APPLICANT: Simard, Jacques

APPLICANT: Rommens, Johanna M.

APPLICANT: Myriad Genetics, Inc.

TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility

TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes

FILE REFERENCE: 2318-258

CURRENT APPLICATION NUMBER: US/09/564,805

CURRENT FILING DATE: 2000-05-05

PRIOR APPLICATION NUMBER: US 60/107,468

PRIOR FILING DATE: 1998-11-06

PRIOR APPLICATION NUMBER: 09/434,382

PRIOR FILING DATE: 1999-11-05

NUMBER OF SEQ ID NOS: 240

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 229

LENGTH: 838

TYPE: PRT

ORGANISM: Saccharomyces cerevisiae

US-09-564-805-229

Query Match 13.9%; Score 599.5; DB 4; Length 838;  
 Best Local Similarity 25.7%; Pred. No. 2,5e-49;  
 Matches 221; Conservative 138; Mismatches 290; Indels 211; Gaps 36;

```

QY 82 RYLF--NCEGVORLQOEHLKVARLDNIFLT--RMHMSNVGSGMILTKETGLPKCVLS 139
DB 28 KYFPGKIGESGSRSLTEKIRISKDIFLTGELMWSIDGGLPGMILITADGCKSNLVYH 87
QY 140 GPPQLEKYLEAIKIFSGPLKGIELAVRPHSAE---YEDETMTVYQIPI--HSEQRCK 193
DB 88 YGNDILNIVYTWRYVFFRFGIDL--NDHIMKDEYVKDKIIAVKSFNVLKNGGEDRLGV 145
QY 194 HOPMOS-----PERPLSRSPERSDSESENEPHLPHGVSGRGRVRSLSVY 241
DB 146 FDSFGKGLRSIVAKMFPKGAFTDRYD--SSDPHLNVELPDL-----DAKAEV 192
QY 242 AFICKLHLK--RGNFLVLAKEMGLPVGTAAIAPITAAVKDGKSI--HEGREILAEELCT 298
DB 193 STNYEISPSPVKGRKVEBAIKLGVPKG-----PLFAKLTGQITLIDNGIYVTPBQVLE 247
QY 299 PPDGAAFYVVECPDESFIQPIICENATFORYGKADAPALVYVHMAVASVLVDSRYQOM 358
DB 248 NERHFAKVLIIIDIPDDLVL--NAFVEKFDYDCAELGMVYFFLGDEVITINDLFAFI 302
QY 359 ERFPGDTQHLVINECASVHNLRSHKIQTQLNLHIDIFPL-----LTSRCK----- 406
DB 303 DIFE-----KNNYGKVNHMISH-----NKISPNITSPFGSALTITKLALQVNNYN 348
QY 407 --KEGPTLS-----VPMVOGECCLKYQLRPRE-----WQDAIITCNP----- 443
DB 349 LKPTRVFSKDYDRPDTPLSRGTSCKSQEPLNTIIEKNDIHIFSQKTYTFEFRRNN 408
QY 444 -----EEFIVEALQLP-----NFQOSVQYERSAODGPADA 474
DB 409 EEPMKCNINGEVAVDFSMQEIFEEH--VKPLFPLADVIVINNQLHVDNFNNSAE----- 461
QY 475 EKRSGQPEIIFIGTSGAIPMKIRANVSATLVNI-----SPDTSILLDCGEGTGQLCR 526
DB 462 --KKKGVEIITLGTGSAIPSKYRNVSITLVKVPFTDADGNTINRNIMLDAGENTLGTIHR 519
QY 527 HYGD--QVDRVLGTLAAVFVSHLHADHTGLPSIILQREBALASLGKPLHLPLVVAPOUK 585
DB 520 MFSQALVAKSIPODLKMIYISHLHADHHLGIIISVL--NEWYKYNKDEDTSYIYVVP----- 573
QY 586 AMLQOYHN-----OCQOEVLHHSIMIPA-----KCLQEGA- 614
  
```

Db 574 -W--QYHFNVEWLVLENKEIKRIKXISCEHFINDSFVRMOTOSVPLAEFNEILKENS 630  
QY 645 -----EISSPAVER-----LISSLARTCDLEEFOTCLVRHCHGAGCALV-----HT 656  
Db 631 QESNRKLEIDRDSSTRVDLHKQMEDLSIEFQICRAHCHWAYSNSITTFMDENNEN 690  
QY 657 SGWKVVSQDTPC--EALVVRMGDATTLLIHEATLEDGLEBEAVEKTHSTTSQAISVGR 714  
Db 691 T-FKVSYSQDTRPRNIEKFSLEIGVNSDLLIHEATLENGLLBEDAVKKGCTINEAIGVSNK 749  
QY 715 MNAEFIMNHFSQRYAKPLPFSFN--FSEKVGAFDMKVCFCGFPPTMPKLIPLKALF 771  
Db 750 MNAEKLILHFSQRYKPLPOLDNINIDVMARECFADSMIVDYEXIGEOCIFPLNKA 809  
QY 772 AGDIEEMERERREKRELQVR 791  
Db 810 --VEKEEEDVDVDESVO 826

## RESULT 10

US-09-564-805-211  
; Sequence 211, Application US/09564805  
; Patent No. 6333403  
; GENERAL INFORMATION:  
; APPLICANT: Tavligian, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
; FILE REFERENCE: 2318-258  
; CURRENT APPLICATION NUMBER: US/09/564,805  
; CURRENT FILING DATE: 2000-05-05  
; PRIOR APPLICATION NUMBER: US 60/107,468  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR APPLICATION NUMBER: 09/434,382  
; PRIOR FILING DATE: 1999-11-05  
; NUMBER OF SEQ ID NOS: 240  
; SOFTWARE: Patentin Ver. 2.0  
; SEQ ID NO 211  
; LENGTH: 81  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-564-805-211

Query Match 9.7%; Score 420; DB 4; Length 81;  
Best Local Similarity 100.0%; Pred. No. 1.8e-33;  
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MMALCSLRSAAAGRTMSQGRITISQAPARERPRKOPHLRLTRERKRGSGCGGNTYVL 60  
Db 1 MMALCSLRSAAAGRTMSQGRITISQAPARERPRKOPHLRLTRERKRGSGCGGNTYVL 60  
QY 61 OVVAAGSRDSGALYVFSEFN 81  
Db 61 OVVAAGSRDSGALYVFSEFN 81

## RESULT 11

US-09-564-805-232  
; Sequence 232, Application US/09564805  
; Patent No. 6333403  
; GENERAL INFORMATION:  
; APPLICANT: Tavligian, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
; FILE REFERENCE: 2318-258

; CURRENT APPLICATION NUMBER: US/09/564,805  
; CURRENT FILING DATE: 2000-05-05  
; PRIOR APPLICATION NUMBER: US 60/107,468  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR APPLICATION NUMBER: 09/434,382  
; PRIOR FILING DATE: 1999-11-05  
; NUMBER OF SEQ ID NOS: 240  
; SOFTWARE: Patentin Ver. 2.0  
; SEQ ID NO 232  
; LENGTH: 307  
; TYPE: PRT  
; ORGANISM: Methanobacterium thermoautotrophicum  
US-09-564-805-232

Query Match 6.5%; Score 281; DB 4; Length 307;  
Best Local Similarity 28.2%; Pred. No. 6.9e-19;  
Matches 84; Conservative 45; Mismatches 93; Indels 76; Gaps 11;

QY 482 EIIPLGTSAIPMKIRVNSATLVNISPDTSLLDCEGTFQQLCRHYGDYDRVLG---- 537  
Db 3 EVTPLGTSSAVPSKNRNHTSIALRI-PGEIFLFDGEGTORQMA-----LAGISPM 52  
QY 538 TLAAVFUSHLADHHTGCPILLO-----REBALASLQK-P-LHPLLVVAPNOLKAMLOQY 591  
Db 53 KVRIRIFITHLGDHILGIPGMIQSMGFRGRREPLDIYGPFGHEU----- 97  
QY 592 HNOCQEVLAHISM--IPAKCLOEGAR-----SSPAVERLISLRTCDLEEFOTC 640  
Db 98 -HECIMKRGYFTLLDVIDVHEVRGTVVEEDDYRTSPAPASHSVN--LAYFEEKKR 154  
QY 641 LVRRCKAFCG-----ALVH-----TSQWKVVSQDTPMCEAL 673  
Db 155 FLREKAILGLKPGPAFKLHRTIPVRVGRHIMPEEVLGSPRKGVKVCYSGDTRPCSV 214  
QY 674 VRMGKDATLLIHEATLENGLEBEAVEKTHSTTSQAISGMMNAEFIMLHNSQRYAK 731  
Db 215 KLAEGABELIHESITLEAGSEBKAESGHSSTARAEVAAGVRRILITLSTYKR 272

## RESULT 12

US-09-564-805-213  
; Sequence 213, Application US/09564805  
; Patent No. 6333403  
; GENERAL INFORMATION:  
; APPLICANT: Tavligian, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
; FILE REFERENCE: 2318-258  
; CURRENT APPLICATION NUMBER: US/09/564,805  
; CURRENT FILING DATE: 2000-05-05  
; PRIOR APPLICATION NUMBER: US 60/107,468  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR APPLICATION NUMBER: 09/434,382  
; PRIOR FILING DATE: 1999-11-05  
; NUMBER OF SEQ ID NOS: 240  
; SOFTWARE: Patentin Ver. 2.0  
; SEQ ID NO 213  
; LENGTH: 73  
; TYPE: PRT  
; ORGANISM: Mus musculus  
US-09-564-805-213

Query Match 6.4%; Score 278; DB 4; Length 73;  
Best Local Similarity 74.1%; Pred. No. 1.2e-19;  
Matches 60; Conservative 2; Mismatches 11; Indels 8; Gaps 2;

QY 1 MMALCSLRSAAAGRTMSQGRITISQAPARERPRKOPHLRLTRERKRGSGCGGNTYVL 60  
Db 1 MMALRSILRPLGLRTMSOG-----SARRPPRPKOPHLRLTRERKRGSG--FGGNTYVL 52

```
QY      61 QVVAAGSRDSGAALYFSEFN 81
      ||||| |:|||||:|
Db      53 QVVAAGGRDAGAALYFSEYN 73
```

RESULT 13  
US-09-564-805-230  
; Sequence 230, Application US/09564805

```

GENERAL INFORMATION:
APPLICANT: Tavtigian, Sean V.
APPLICANT: Teng, David H.F.
APPLICANT: Simard, Jacques
APPLICANT: Rommens, Johanna M.
APPLICANT: Myriad Genetics, Inc.
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
FILE REFERENCE: 2318-258
CURRENT APPLICATION NUMBER: US/09/564,805
CURRENT FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: US 60/107,468
PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/434,382
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 230
LENGTH: 311
TYPE: PRT
ORGANISM: Escherichia coli
US-09-564-805-230

```

Query Match Similarity	6.4%;	Score 275;	DB 4;	Length 311;
Best Local Similarity	26.2%;	Pred. No. 2.7e-18;		
Matches 78;	Conservative 49;	Mismatches 109;	Indels 62;	Gaps 8;

[illegible]

```

RESULT 14
US-09-564-805-220
Sequence 220, Application US/09564805
Patent No. 6333403
GENERAL INFORMATION:
APPLICANT: Tavligian, Sean V.
APPLICANT: Teng, David H.F.
APPLICANT: Simard, Jacques
APPLICANT: Rommens, Johanna M.
APPLICANT: Myriad Genetics, Inc.
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
FILE REFERENCE: 2318-258
CURRENT APPLICATION NUMBER: US/09/564, 805
CURRENT FILING DATE: 2000-05-05

```

: PRIOR APPLICATION NUMBER: US 60/107,468  
 : PRIOR FILING DATE: 1998-11-06  
 : PRIOR APPLICATION NUMBER: 09/434,382  
 : PRIOR FILING DATE: 1999-11-05  
 : NUMBER OF SEQ ID NOS: 240  
 : SOFTWARE: PatentIn Ver. 2.0  
 : SEQ ID NO 220  
 :  
 : LENGTH: 363  
 : TYPE: PR1  
 :  
 : ORGANISM: Homo sapiens  
 :  
 : US-09-564-805-220

Query Match	5.7%:	Score 245.5;	DB 4:	Length 363;
Best Local Similarity	26.4%:	Pred. No. 2.7e-15;		
Matches 87;	Conservative 42;	Mismatches 114;	Indels 87;	Gaps 10;

```

Qy 482 EIIPLATGSAIEMKURNSATLVNITSPTSLILCOBEGTFCQLCRHNGDDQVDRVLGTAA 541
Db 4 DVFLGATGAATSPRIGASAVVLREGE-CMLFDGBGTQTQLMK-----QLKAGITK 57
Qy 542 VFVSHLAHHTGTLSILLRERALASLGRPLHPLVVAPNOLKAMLQQ-----Y 593
Db 58 IFTTHHGSHFGSLGELCTISLQSGSNVSK-QPIEIGPVGLADFLIRMTLSHTLVF 116
Qy 592 HNOCEVLNHSIMTIPAKLQEGAEI-----SSPAVERLISLIRT-----CDIEEFQTC 640
Db 117 HYYVHLVLTADQCPRABELKEPAHVNRADSPRKEQGTILLDSENSYLLFDDEQVVK 176
Qy 641 LVN--HCKAFCGALVNTS----- 657
Db 177 AFLPLFRIPSPFGSVSEKKRPEKLNQKLDKLVPPGPAYGKLXNGISVYLNGVTTISPQ 236
Qy 658 -----GMKVYVSGDITMPCALVRMK-----DATLLIHEATLEDBGEAEVKTHT 704
Db 237 DVLKRPIVERKICLIGD---CSGVVGDGQVKLCEADLLIHEATLDDQMDKAEHGHT 293
Qy 705 TSGAISVGRMNAEFIMLNHSFORSYAKVPL 734
Db 294 PQMAATPAKLCRAKRLVLTHTFSQRKYPAL 323

```

```

1      RESULT 15
2      US-09-564-805-231
3      ; Sequence 231 Application US/09564805
4      ; Patent No. 6533403
5      ; GENERAL INFORMATION:
6      ; APPLICANT: Tavtigian, Sean V.
7      ; APPLICANT: Teng, David H.F.
8      ; APPLICANT: Simard, Jacques
9      ; APPLICANT: Rommens, Johanna M.
10     ; APPLICANT: Myriad Genetics, Inc.
11     ; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
12     ; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
13     ; FILE REFERENCE: 2318-258
14     ; CURRENT APPLICATION NUMBER: US/09/564, 805
15     ; CURRENT FILING DATE: 2000-05-05
16     ; PRIOR APPLICATION NUMBER: US 60/107,468
17     ; PRIOR FILING DATE: 1998-11-06
18     ; PRIOR APPLICATION NUMBER: 09/434,382
19     ; PRIOR FILING DATE: 1999-11-05
20     ; NUMBER OF SEQ ID NOS: 240
21     ; SOFTWARE: PatentIn Ver. 2.0
22     ; SEQ ID NO 231
23     ; LENGTH: 326
24     ; TYPE: PRNT
25     ; ORGANISM: Synechocystis sp.
26     US-09-564-805-231

```

Query Match	5.6%;	Score 243.5;	DB 4;	Length 326;
Best Local Similarity	26.2%;	Pred. No. 3.6e-15;		
Matches	84;	Conservative	46;	Mismatches 133;
				Indels 59;
				Gaps 10;
QY	482	EIFLGTSATAPMKIRNVSATLVNISPDSL-LDDGEFTGQLCRHYGDVDRVLGTILA	540	





GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: January 13, 2004, 18:06:55 ; Search time 38 Seconds  
(without alignments)  
4380.186 Million cell updates/sec

Title: US-09-434-382-2

Perfect score: 4325  
Sequence: 1 MMALCSLRSAGRTMSQGR.....EPQOKRAHTEPQAKVQAQ 826

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 747907 seqs, 201509753 residues

Total number of hits satisfying chosen parameters: 747907

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database :

Published Applications\_AA:\*  
1: /cgn2\_6/ptodata/2/pubpaa/US07\_PUBCOMB.pep:\*  
2: /cgn2\_6/ptodata/2/pubpaa/PTCT\_NEW\_PUB.pep:\*  
3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep:\*  
4: /cgn2\_6/ptodata/2/pubpaa/US06\_PUBCOMB.pep:\*  
5: /cgn2\_6/ptodata/2/pubpaa/US07\_NEW\_PUB.pep:\*  
6: /cgn2\_6/ptodata/2/pubpaa/PTCTUS\_PUBCOMB.pep:\*  
7: /cgn2\_6/ptodata/2/pubpaa/US08\_NEW\_PUB.pep:\*  
8: /cgn2\_6/ptodata/2/pubpaa/US08\_PUBCOMB.pep:\*  
9: /cgn2\_6/ptodata/2/pubpaa/US09\_PUBCOMB.pep:\*  
10: /cgn2\_6/ptodata/2/pubpaa/US09B\_PUBCOMB.pep:\*  
11: /cgn2\_6/ptodata/2/pubpaa/US09C\_PUBCOMB.pep:\*  
12: /cgn2\_6/ptodata/2/pubpaa/US09\_NEW\_PUB.pep:\*  
13: /cgn2\_6/ptodata/2/pubpaa/US10A\_PUBCOMB.pep:\*  
14: /cgn2\_6/ptodata/2/pubpaa/US10B\_PUBCOMB.pep:\*  
15: /cgn2\_6/ptodata/2/pubpaa/US10C\_PUBCOMB.pep:\*  
16: /cgn2\_6/ptodata/2/pubpaa/US10\_NEW\_PUB.pep:\*  
17: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB.pep:\*  
18: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	4325	100.0	826	11	US-09-988-626-2
2	4325	100.0	826	11	US-09-988-687-2
3	4325	100.0	826	11	US-09-988-686-2
4	4283	99.0	826	11	US-09-988-626-224
5	4283	99.0	826	11	US-09-988-687-224
6	4283	99.0	826	11	US-09-988-686-224
7	4261	98.5	826	11	US-09-988-626-226
8	4261	98.5	826	11	US-09-988-687-226
9	4261	98.5	826	11	US-09-988-686-226
10	3473.5	80.3	822	11	US-09-988-626-222
11	3473.5	80.3	822	11	US-09-988-687-222
12	3473.5	80.3	822	11	US-09-988-686-222
13	875.5	20.2	837	11	US-09-988-626-228
14	875.5	20.2	837	11	US-09-988-687-228
15	875.5	20.2	837	11	US-09-988-686-228

16	760	17.6	844	11	US-09-988-626-227	Sequence 227, App
17	760	17.6	844	11	US-09-988-687-227	Sequence 227, App
18	760	17.6	844	11	US-09-988-686-227	Sequence 227, App
19	672	15.5	922	15	US-10-128-714-3524	Sequence 3524, App
20	613	14.2	949	15	US-10-128-714-8524	Sequence 8524, App
21	599.5	13.9	838	11	US-09-988-626-229	Sequence 229, App
22	599.5	13.9	838	11	US-09-988-687-229	Sequence 229, App
23	599.5	13.9	838	11	US-09-988-686-229	Sequence 229, App
24	470.5	10.9	808	12	US-10-032-585-7388	Sequence 7388, App
25	420	9.7	81	11	US-09-988-626-211	Sequence 211, App
26	420	9.7	81	11	US-09-988-687-211	Sequence 211, App
27	420	9.7	81	11	US-09-988-686-211	Sequence 211, App
28	281	6.5	307	11	US-09-988-626-232	Sequence 232, App
29	281	6.5	307	11	US-09-988-687-232	Sequence 232, App
30	281	6.5	307	11	US-09-988-686-232	Sequence 232, App
31	278	6.4	73	11	US-09-988-626-213	Sequence 213, App
32	278	6.4	73	11	US-09-988-687-213	Sequence 213, App
33	278	6.4	73	11	US-09-988-686-213	Sequence 213, App
34	275	6.4	311	11	US-09-988-626-230	Sequence 230, App
35	275	6.4	311	11	US-09-988-687-230	Sequence 230, App
36	275	6.4	311	11	US-09-988-686-230	Sequence 230, App
37	275	6.4	311	15	US-10-190-279-20	Sequence 20, App
38	245.5	5.7	363	11	US-09-988-626-220	Sequence 220, App
39	245.5	5.7	363	11	US-09-988-687-220	Sequence 220, App
40	245.5	5.7	363	11	US-09-988-686-220	Sequence 220, App
41	243.5	5.6	326	11	US-09-988-626-231	Sequence 231, App
42	243.5	5.6	326	11	US-09-988-687-231	Sequence 231, App
43	243.5	5.6	326	11	US-09-988-686-231	Sequence 231, App
44	228.5	5.3	309	15	US-10-190-279-17	Sequence 17, App
45	217.5	5.0	309	15	US-10-190-279-8	Sequence 8, App

#### ALIGNMENTS

RESULT 1  
US-09-988-626-2  
; Sequence 2, Application US/09988626  
; Publication No. US20030044959A1  
; GENERAL INFORMATION:  
; APPLICANT: Tavcigian, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
; FILE REFERENCE: 2318-258  
; CURRENT APPLICATION NUMBER: US/09/988, 626  
; PRIOR FILING DATE: 2001-11-20  
; PRIOR APPLICATION NUMBER: 09/564, 805  
; PRIOR FILING DATE: 2000-05-05  
; PRIOR APPLICATION NUMBER: US 60/107, 468  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR APPLICATION NUMBER: 09/434, 382  
; PRIOR FILING DATE: 1999-11-05  
; NUMBER OF SEQ ID NOS: 240  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 826  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; US-09-988-626-2  
Query Match 100.0%; Score 4325; DB 11; Length 826;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 826; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MMALCSLRSAGRTMSQGRITISQAPARRRRPRDPLRLHTRKRGSGSGSPNTYLL 60  
DB 1 MMALCSLRSAGRTMSQGRITISQAPARRRRPRDPLRLHTRKRGSGSGSPNTYLL 60  
QY 61 QVVAAGSRDSGALYVFSEFNRFLFNGCGEVQRIMQEHKLQVARIIDNIFLTRMMSNVG 120

```

|||||
61 QVAAAGSRDGAALVVFSEFNRYLFNCGEVOQLMOEHKLYARLDNIFLTMMHNSVNG 120
121 LSGMITLTLETGPKCVLSGPPQLEKYLEAIKIFSGPLKGIELAVRPHSAPYEDETMTV 180
121 LSGMITLTLETGPKCVLSGPPQLEKYLEAIKIFSGPLKGIELAVRPHSAPYEDETMTV 180
181 YQIPHSEQRGKHQPMQSPERPLSRLSPERSDSESNENEPLPHGVQSRGVDRDSSLV 240
181 YQIPHSEQRGKHQPMQSPERPLSRLSPERSDSESNENEPLPHGVQSRGVDRDSSLV 240
181 YQIPHSEQRGKHQPMQSPERPLSRLSPERSDSESNENEPLPHGVQSRGVDRDSSLV 240
241 VAFICLHLKRGNFVLAKKEMGLPVGTALAPIIAAYDQKSI THEGREIIAELCTPP 300
241 VAFICLHLKRGNFVLAKKEMGLPVGTALAPIIAAYDQKSI THEGREIIAELCTPP 300
241 VAFICLHLKRGNFVLAKKEMGLPVGTALAPIIAAYDQKSI THEGREIIAELCTPP 300
301 DPGAARVVECEPDESFIOPI CENATFORQOGKADAVALVHMA PASVLDVSRYOQMMER 360
301 DPGAARVVECEPDESFIOPI CENATFORQOGKADAVALVHMA PASVLDVSRYOQMMER 360
361 FGPDTHLVLENCAVHNLRSKHIQTQNLTHPDI FPLTSPRCKKEGPTLSVPMVOGE 420
361 FGPDTHLVLENCAVHNLRSKHIQTQNLTHPDI FPLTSPRCKKEGPTLSVPMVOGE 420
421 CLKYQLRRPRRQORDAIITCNPEEFIVBALQIPNFQOSVOEYRRAODGPAERKRSQY 480
421 CLKYQLRRPRRQORDAIITCNPEEFIVBALQIPNFQOSVOEYRRAODGPAERKRSQY 480
481 PEIIFGTGSAIPMKIRNVSATLVNISPTSLLDGEGTFCQLCHRYGDQVDRVLGTIA 540
481 PEIIFGTGSAIPMKIRNVSATLVNISPTSLLDGEGTFCQLCHRYGDQVDRVLGTIA 540
481 PEIIFGTGSAIPMKIRNVSATLVNISPTSLLDGEGTFCQLCHRYGDQVDRVLGTIA 540
541 AVFVSHLHADHTGLPSILLOREBALASLGKPLHPLVVA PNQLKAMLOQYHNQCEVLH 600
541 AVFVSHLHADHTGLPSILLOREBALASLGKPLHPLVVA PNQLKAMLOQYHNQCEVLH 600
541 AVFVSHLHADHTGLPSILLOREBALASLGKPLHPLVVA PNQLKAMLOQYHNQCEVLH 600
601 HISMI PAKCLOGAEISSPAVERLISLRTCDLEEFOTCLVRHCHAGCALVHTSGMK 660
601 HISMI PAKCLOGAEISSPAVERLISLRTCDLEEFOTCLVRHCHAGCALVHTSGMK 660
661 VVYSGDTMPCBALVVRMGKATLLIHATLEDGLBEEAVKHTSTTSOALSVGRMNAEPI 720
661 VVYSGDTMPCBALVVRMGKATLLIHATLEDGLBEEAVKHTSTTSOALSVGRMNAEPI 720
721 MNNHFSQRYAKVPLFSPNFSSEKGVAFDMKVCFGDFPTMPKLIPLKALFAGDIEMEB 780
721 MNNHFSQRYAKVPLFSPNFSSEKGVAFDMKVCFGDFPTMPKLIPLKALFAGDIEMEB 780
781 RREKRELQVRAALLSRELAGLEDEBPQOKRAHTEEPQAKVRAQ 826
781 RREKRELQVRAALLSRELAGLEDEBPQOKRAHTEEPQAKVRAQ 826
781 RREKRELQVRAALLSRELAGLEDEBPQOKRAHTEEPQAKVRAQ 826

RESULT 2
US-09-988-687-2
; Sequence 2, Application US/09988687
; Publication No. US2003045704A1
GENERAL INFORMATION:
APPLICANT: Tavligian, Sean V.
APPLICANT: Teng, David H.F.
APPLICANT: Simard, Jacques
APPLICANT: Rommens, Johanna M.
APPLICANT: Myriad Genetics, Inc.
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
FILE REFERENCE: 2318-258
CURRENT APPLICATION NUMBER: US/09/988,687
CURRENT FILING DATE: 2001-11-20
PRIOR APPLICATION NUMBER: 09/564,805
PRIOR FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: US 60/107,468
PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/424,382
PRIOR FILING DATE: 1999-11-05

```

```

; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 826
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-988-687-2

Query Match      100.0%; Score 4325; DB 11; Length 826;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 826; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 MVALCSLRSAAAGRTMSGRTISQAPARERPRKQPLHLRREKRGSGCGGENTYVL 60
1 MVALCSLRSAAAGRTMSGRTISQAPARERPRKQPLHLRREKRGSGCGGENTYVL 60
61 QVAAAGSRDGAALVVFSEFNRYLFNCGEVOQLMOEHKLYARLDNIFLTMMHNSVNG 120
61 QVAAAGSRDGAALVVFSEFNRYLFNCGEVOQLMOEHKLYARLDNIFLTMMHNSVNG 120
121 LSGMITLTLETGPKCVLSGPPQLEKYLEAIKIFSGPLKGIELAVRPHSAPYEDETMTV 180
121 LSGMITLTLETGPKCVLSGPPQLEKYLEAIKIFSGPLKGIELAVRPHSAPYEDETMTV 180
181 YQIPHSEQRGKHQPMQSPERPLSRLSPERSDSESNENEPLPHGVQSRGVDRDSSLV 240
181 YQIPHSEQRGKHQPMQSPERPLSRLSPERSDSESNENEPLPHGVQSRGVDRDSSLV 240
241 VAFICLHLKRGNFVLAKKEMGLPVGTALAPIIAAYDQKSI THEGREIIAELCTPP 300
241 VAFICLHLKRGNFVLAKKEMGLPVGTALAPIIAAYDQKSI THEGREIIAELCTPP 300
301 DPGAARVVECEPDESFIOPI CENATFORQOGKADAVALVHMA PASVLDVSRYOQMMER 360
301 DPGAARVVECEPDESFIOPI CENATFORQOGKADAVALVHMA PASVLDVSRYOQMMER 360
361 FGPDTHLVLENCAVHNLRSKHIQTQNLTHPDI FPLTSPRCKKEGPTLSVPMVOGE 420
361 FGPDTHLVLENCAVHNLRSKHIQTQNLTHPDI FPLTSPRCKKEGPTLSVPMVOGE 420
421 CLKYQLRRPRRQORDAIITCNPEEFIVBALQIPNFQOSVOEYRRAODGPAERKRSQY 480
421 CLKYQLRRPRRQORDAIITCNPEEFIVBALQIPNFQOSVOEYRRAODGPAERKRSQY 480
481 PEIIFGTGSAIPMKIRNVSATLVNISPTSLLDGEGTFCQLCHRYGDQVDRVLGTIA 540
481 PEIIFGTGSAIPMKIRNVSATLVNISPTSLLDGEGTFCQLCHRYGDQVDRVLGTIA 540
541 AVFVSHLHADHTGLPSILLOREBALASLGKPLHPLVVA PNQLKAMLOQYHNQCEVLH 600
541 AVFVSHLHADHTGLPSILLOREBALASLGKPLHPLVVA PNQLKAMLOQYHNQCEVLH 600
541 AVFVSHLHADHTGLPSILLOREBALASLGKPLHPLVVA PNQLKAMLOQYHNQCEVLH 600
601 HISMI PAKCLOGAEISSPAVERLISLRTCDLEEFOTCLVRHCHAGCALVHTSGMK 660
601 HISMI PAKCLOGAEISSPAVERLISLRTCDLEEFOTCLVRHCHAGCALVHTSGMK 660
661 VVYSGDTMPCBALVVRMGKATLLIHATLEDGLBEEAVKHTSTTSOALSVGRMNAEPI 720
661 VVYSGDTMPCBALVVRMGKATLLIHATLEDGLBEEAVKHTSTTSOALSVGRMNAEPI 720
721 MNNHFSQRYAKVPLFSPNFSSEKGVAFDMKVCFGDFPTMPKLIPLKALFAGDIEMEB 780
721 MNNHFSQRYAKVPLFSPNFSSEKGVAFDMKVCFGDFPTMPKLIPLKALFAGDIEMEB 780
781 RREKRELQVRAALLSRELAGLEDEBPQOKRAHTEEPQAKVRAQ 826
781 RREKRELQVRAALLSRELAGLEDEBPQOKRAHTEEPQAKVRAQ 826
781 RREKRELQVRAALLSRELAGLEDEBPQOKRAHTEEPQAKVRAQ 826

RESULT 3
US-09-988-686-2
; Sequence 2, Application US/09988686
; Publication No. US20030120052A1

```



GENERAL INFORMATION:  
APPLICANT: Tavligian, Sean V.  
APPLICANT: Teng, David H.F.  
APPLICANT: Simard, Jacques  
APPLICANT: Rommens, Johanna M.  
APPLICANT: Myriad Genetics, Inc.  
TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes  
FILE REFERENCE: 2318-258  
CURRENT APPLICATION NUMBER: US/09/988,686  
CURRENT FILING DATE: 2001-11-20  
PRIOR APPLICATION NUMBER: 09/564,805  
PRIOR FILING DATE: 2000-05-05  
PRIOR APPLICATION NUMBER: US 60/107,468  
PRIOR FILING DATE: 1998-11-06  
PRIOR APPLICATION NUMBER: 09/434,382  
PRIOR FILING DATE: 1999-11-05  
NUMBER OF SEQ ID NOS: 240  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 2  
LENGTH: 826  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-988-686-2

Query Match 100.0%; Score 4325; DB 11; Length 826;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 826; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MMALCSLRSAAAGRTMSGRTISQAPARERPRKDLHLRTREKRGSGSGGNTVYL 60  
DB 1 MMALCSLRSAAAGRTMSGRTISQAPARERPRKDLHLRTREKRGSGSGGNTVYL 60  
QY 61 QVAAAGSDSGAALVYSEFNRRLVFNCGEGVQRLMOEHKLVARLDNIFLRMHNSNNG 120  
DB 61 QVAAAGSDSGAALVYSEFNRRLVFNCGEGVQRLMOEHKLVARLDNIFLRMHNSNNG 120  
QY 121 LSGMILTKETGTPKCVLGGPPOLEKYLEAIKIFSGPLKGIELAVRPHSABEYEDETMTV 180  
DB 121 LSGMILTKETGTPKCVLGGPPOLEKYLEAIKIFSGPLKGIELAVRPHSABEYEDETMTV 180  
QY 121 LSGMILTKETGTPKCVLGGPPOLEKYLEAIKIFSGPLKGIELAVRPHSABEYEDETMTV 180  
DB 121 LSGMILTKETGTPKCVLGGPPOLEKYLEAIKIFSGPLKGIELAVRPHSABEYEDETMTV 180  
QY 181 YQIPHSQRGKIQPWQSPERPLSRSPSSSDSESNENEPHLPHGVSGRGVDSILV 240  
DB 181 YQIPHSQRGKIQPWQSPERPLSRSPSSSDSESNENEPHLPHGVSGRGVDSILV 240  
QY 241 VAFICKLHKRGNFLVLAKEWGLPVGTAAIAPITAAVQDGSITHEGREILAEELCTPP 300  
DB 241 VAFICKLHKRGNFLVLAKEWGLPVGTAAIAPITAAVQDGSITHEGREILAEELCTPP 300  
QY 301 DPGAFAVVECPDSEFIQPIENATFORVQKADAPVALVVMAPASVLDSTRVQOMMER 360  
DB 301 DPGAFAVVECPDSEFIQPIENATFORVQKADAPVALVVMAPASVLDSTRVQOMMER 360  
QY 361 FGPDTQHLVLNENCAVHNLRSKIQIOTQNLNLIHPDIFPLTSPFCKKGGPTLSVPMVGE 420  
DB 361 FGPDTQHLVLNENCAVHNLRSKIQIOTQNLNLIHPDIFPLTSPFCKKGGPTLSVPMVGE 420  
QY 421 CLTKYQLRPREWQDAIITCNPEEFIVYALQLPNFQOSVQBYRRSAODGPAPEKRSQY 480  
DB 421 CLTKYQLRPREWQDAIITCNPEEFIVYALQLPNFQOSVQBYRRSAODGPAPEKRSQY 480  
QY 481 PEIIFLGGSALPMKIRVNSATLVNISPDTSLLDCCGFTGQICRHHGDDVDRLGLTIA 540  
DB 481 PEIIFLGGSALPMKIRVNSATLVNISPDTSLLDCCGFTGQICRHHGDDVDRLGLTIA 540  
QY 541 AVFVSHLHADHTGSLPSILQERASLIGKPLHPLVAVPQULKAVLQYHNOQOEVLH 600  
DB 541 AVFVSHLHADHTGSLPSILQERASLIGKPLHPLVAVPQULKAVLQYHNOQOEVLH 600  
QY 601 HISMPACLOBGAETSSPAYBRLLISLRTCDLEEFOTCLVRHKAHFGCALVHTSGWK 660  
DB 601 HISMPACLOBGAETSSPAYBRLLISLRTCDLEEFOTCLVRHKAHFGCALVHTSGWK 660

QY 661 VVYSGDTPMCEALVWMDATLLIHEATLEDGLEEBEAVEKTHSTTSQASVGMNNAEFI 720  
DB 661 VVYSGDTPMCEALVWMDATLLIHEATLEDGLEEBEAVEKTHSTTSQASVGMNNAEFI 720  
QY 721 MLNHSQRVAVPLFSPFSKGVAPDMKVCVCGDPTMTKLLPPLKALPAGDIEEMEE 780  
DB 721 MLNHSQRVAVPLFSPFSKGVAPDMKVCVCGDPTMTKLLPPLKALPAGDIEEMEE 780  
QY 781 RREKRELQVRAALLSRELAGLEDGEPOQRATHEEPQAKKVAQ 826  
DB 781 RREKRELQVRAALLSRELAGLEDGEPOQRATHEEPQAKKVAQ 826

RESULT 4  
US-09-988-626-224

Sequence 224, Application US/09988626  
Publication No. US20030044959A1

GENERAL INFORMATION:

APPLICANT: Tavligian, Sean V.

APPLICANT: Teng, David H.F.

APPLICANT: Simard, Jacques

APPLICANT: Rommens, Johanna M.

APPLICANT: Myriad Genetics, Inc.

TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility

FILE REFERENCE: 2318-258

CURRENT APPLICATION NUMBER: US/09/988,626

PRIOR FILING DATE: 2001-11-20

PRIOR APPLICATION NUMBER: 09/564,805

PRIOR FILING DATE: 2000-05-05

PRIOR APPLICATION NUMBER: US 60/107,468

PRIOR FILING DATE: 1998-11-06

PRIOR APPLICATION NUMBER: 09/434,382

NUMBER OF SEQ ID NOS: 240

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 224

LENGTH: 826

TYPE: PRT

ORGANISM: Pan troglodytes

US-09-988-626-224

Query Match 99.0%; Score 4283; DB 11; Length 826;  
Best Local Similarity 98.9%; Pred. No. 0;  
Matches 817; Conservative 4; Mismatches 5; Indels 0; Gaps 0;

QY 1 MMALCSLRSAAAGRTMSGRTISQAPARERPRKDLHLRTREKRGSGSGGNTVYL 60  
DB 1 MMALCSLRSAAAGRTMSGRTISQAPARERPRKDLHLRTREKRGSGSGGNTVYL 60  
QY 61 QVAAAGSDSGAALVYSEFNRRLVFNCGEGVQRLMOEHKLVARLDNIFLRMHNSNNG 120  
DB 61 QVAAAGSDSGAALVYSEFNRRLVFNCGEGVQRLMOEHKLVARLDNIFLRMHNSNNG 120  
QY 121 LSGMILTKETGTPKCVLGGPPOLEKYLEAIKIFSGPLKGIELAVRPHSABEYEDETMTV 180  
DB 121 LSGMILTKETGTPKCVLGGPPOLEKYLEAIKIFSGPLKGIELAVRPHSABEYEDETMTV 180  
QY 181 YQIPHSQRGKIQPWQSPERPLSRSPSSSDSESNENEPHLPHGVSGRGVDSILV 240  
DB 181 YQIPHSQRGKIQPWQSPERPLSRSPSSSDSESNENEPHLPHGVSGRGVDSILV 240  
QY 241 VAFICKLHKRGNFLVLAKEWGLPVGTAAIAPITAAVQDGSITHEGREILAEELCTPP 300  
DB 241 VAFICKLHKRGNFLVLAKEWGLPVGTAAIAPITAAVQDGSITHEGREILAEELCTPP 300  
QY 301 DPGAFAVVECPDSEFIQPIENATFORVQKADAPVALVVMAPASVLDSTRVQOMMER 360  
DB 301 DPGAFAVVECPDSEFIQPIENATFORVQKADAPVALVVMAPASVLDSTRVQOMMER 360  
QY 361 FGPDTQHLVLNENCAVHNLRSKIQIOTQNLNLIHPDIFPLTSPFCKKGGPTLSVPMVGE 420  
DB 361 FGPDTQHLVLNENCAVHNLRSKIQIOTQNLNLIHPDIFPLTSPFCKKGGPTLSVPMVGE 420

QY 421 CLKYQLRPRRWMQDAIITCNPEEFIVYEAOLPNFOOSVQYRRSADDPAPAEKRSQY 480  
 DB 421 CLKYQLRPRRWMQDAIITCNPEEFIVYEAOLPNFOOSVQYRRSADDPAPAEKRSQY 480  
 QY 481 PEIIFLGTSALPMKIRNVSAITLVNISPDTSLLDCGEGTFCQLCRHYGDQVDRVLTGA 540  
 DB 481 PEIIFLGTSALPMKIRNVSAITLVNISPDTSLLDCGEGTFCQLCRHYGDQVDRVLTGA 540  
 QY 541 AVFVSHLADHHTGTPSILLOERALASLGRPHPLVVAAPNQLKAMLOQYHNOCOEVLH 600  
 DB 541 AVFVSHLADHHTGTPSILLOERALASLGRPHPLVVAAPNQLKAMLOQYHNOCOEVLH 600  
 QY 601 HISMIPAKLOEGAEISSPAVERLLISLRTCDLEEFQTCIVRHCKHAFGALVHTSGMK 660  
 DB 601 HISMIPAKLOEGAEISSPAVERLLISLRTCDLEEFQTCIVRHCKHAFGALVHTSGMK 660  
 QY 661 VVYSGDTMPCALVVMGKDATLLIHEATLEDGLEEBAVEKHTSTTSQASVGMKNAAEPI 720  
 DB 661 VVYSGDTMPCALVVMGKDATLLIHEATLEDGLEEBAVEKHTSTTSQASVGMKNAAEPI 720  
 QY 721 MLNHSQRYAKYPLFSPNFEKVGVAFDHMKVCFQDFATMPKLIPLKALFAGDIEEMBE 780  
 DB 721 MLNHSQRYAKYPLFSPNFEKVGVAFDHMKVCFQDFATMPKLIPLKALFAGDIEEMBE 780  
 QY 781 REKRELQVRAALLSRELAGLEDEGEPOQKRAHTEEPQAKKVRQAQ 826  
 DB 781 REKRELQVRAALLSRELAGLEDEGEPOQKRAHTEEPQAKKVRQAQ 826

## RESULT 5

US-09-988-687-224  
 ; Sequence 224, Application US/09988687  
 ; Publication No. US20030045704A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Tavtigian, Sean V.  
 ; APPLICANT: Teng, David H.F.  
 ; APPLICANT: Simard, Jacques  
 ; APPLICANT: Rommens, Johanna M.  
 ; APPLICANT: Myriad Genetics, Inc.  
 ; TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility  
 ; FILE REFERENCE: 2318-258  
 ; CURRENT APPLICATION NUMBER: US/09/988,687  
 ; CURRENT FILING DATE: 2001-11-20  
 ; PRIOR APPLICATION NUMBER: 09/564,805  
 ; PRIOR FILING DATE: 2000-05-05  
 ; PRIOR APPLICATION NUMBER: US 60/107,468  
 ; PRIOR FILING DATE: 1998-11-06  
 ; PRIOR APPLICATION NUMBER: 09/434,382  
 ; PRIOR FILING DATE: 1999-11-05  
 ; NUMBER OF SEQ ID NOS: 240  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 224  
 ; LENGTH: 826  
 ; TYPE: PRT  
 ; ORGANISM: Pan troglodytes  
 US-09-988-687-224

Query Match 99.0%; Score 4283; DB 11; Length 826;  
 Best Local Similarity 98.9%; Pred. No. 0;  
 Matches 817; Conservative 4; Mismatches 5; Indels 0; Gaps 0;  
 QY 1 MMALCSLRSAGRTWSQGRITISQAPARRRPKPDRLHLRTREKRGSGSGGPNVTYVL 60  
 DB 1 MMALCSLRSAGRTWSQGRITISQAPARRRPKPDRLHLRTREKRGSGSGGPNVTYVL 60  
 QY 61 QVVAASRSGAALVYFSEPNRYLFCNGCGVQGLMOEHKLVARLNIETLRHMGWNVG 120  
 DB 61 QVVAASRSGAALVYFSEPNRYLFCNGCGVQGLMOEHKLVARLNIETLRHMGWNVG 120  
 QY 121 LSGMILTLKETGPKCVLSGPPQLEKYLEAIKIFSGPLKGIELAVRPHSAPEYEDMTYV 180  
 DB 121 LSGMILTLKETGPKCVLSGPPQLEKYLEAIKIFSGPLKGIELAVRPHSAPEYEDMTYV 180

DB 121 LSGMILTLKETGPKCVLSGPPQLEKYLEAIKIFSGPLKGIELAVRPHSAPEYEDMTYV 180  
 QY 181 YQIPHSQRKGIQPMQSPERPLSRLEPERSDSESNENEPHLPHGVQRRGVADSLV 240  
 DB 181 YQIPHSQRKGIQPMQSPERPLSRLEPERSDSESNENEPHLPHGVQRRGVADSLV 240  
 QY 241 VAFICKHLKRGNFVLKAKEMGLPVGTAAIAPITAAKDDKSTHERELIAEELCTPP 300  
 DB 241 VAFICKHLKRGNFVLKAKEMGLPVGTAAIAPITAAKDDKSTHERELIAEELCTPP 300  
 QY 301 DPGAFFVVECPDESFIOPI CENATFORYGKADAPVALVVMABASVLDVSRYOQMMER 360  
 DB 301 DPGAFFVVECPDESFIOPI CENATFORYGKADAPVALVVMABASVLDVSRYOQMMER 360  
 QY 361 FGPDQHLVLMNCASVNLRSKIQOTLNIHPDIPLILSFRCCKEPTLSVPMVOGE 420  
 DB 361 FGPDQHLVLMNCASVNLRSKIQOTLNIHPDIPLILSFRCCKEPTLSVPMVOGE 420  
 QY 421 CLKYQLRPRRWMQDAIITCNPEEFIVYEAOLPNFOOSVQYRRSADDPAPAEKRSQY 480  
 DB 421 CLKYQLRPRRWMQDAIITCNPEEFIVYEAOLPNFOOSVQYRRSADDPAPAEKRSQY 480  
 QY 481 PEIIFLGTSALPMKIRNVSAITLVNISPDTSLLDCGEGTFCQLCRHYGDQVDRVLTGA 540  
 DB 481 PEIIFLGTSALPMKIRNVSAITLVNISPDTSLLDCGEGTFCQLCRHYGDQVDRVLTGA 540  
 QY 541 AVFVSHLADHHTGTPSILLOERALASLGRPHPLVVAAPNQLKAMLOQYHNOCOEVLH 600  
 DB 541 AVFVSHLADHHTGTPSILLOERALASLGRPHPLVVAAPNQLKAMLOQYHNOCOEVLH 600  
 QY 601 HISMIPAKLOEGAEISSPAVERLLISLRTCDLEEFQTCIVRHCKHAFGALVHTSGMK 660  
 DB 601 HISMIPAKLOEGAEISSPAVERLLISLRTCDLEEFQTCIVRHCKHAFGALVHTSGMK 660  
 QY 661 VVYSGDTMPCALVVMGKDATLLIHEATLEDGLEEBAVEKHTSTTSQASVGMKNAAEPI 720  
 DB 661 VVYSGDTMPCALVVMGKDATLLIHEATLEDGLEEBAVEKHTSTTSQASVGMKNAAEPI 720  
 QY 721 MLNHSQRYAKYPLFSPNFEKVGVAFDHMKVCFQDFATMPKLIPLKALFAGDIEEMBE 780  
 DB 721 MLNHSQRYAKYPLFSPNFEKVGVAFDHMKVCFQDFATMPKLIPLKALFAGDIEEMBE 780  
 QY 781 REKRELQVRAALLSRELAGLEDEGEPOQKRAHTEEPQAKKVRQAQ 826  
 DB 781 REKRELQVRAALLSRELAGLEDEGEPOQKRAHTEEPQAKKVRQAQ 826

## RESULT 6

US-09-988-686-224  
 ; Sequence 224, Application US/09988686  
 ; Publication No. US20030120052A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Tavtigian, Sean V.  
 ; APPLICANT: Teng, David H.F.  
 ; APPLICANT: Simard, Jacques  
 ; APPLICANT: Rommens, Johanna M.  
 ; APPLICANT: Myriad Genetics, Inc.  
 ; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes  
 ; FILE REFERENCE: 2318-258  
 ; CURRENT APPLICATION NUMBER: US/09/988,686  
 ; CURRENT FILING DATE: 2001-11-20  
 ; PRIOR APPLICATION NUMBER: 09/564,805  
 ; PRIOR FILING DATE: 2000-05-05  
 ; PRIOR APPLICATION NUMBER: US 60/107,468  
 ; PRIOR FILING DATE: 1998-11-06  
 ; PRIOR APPLICATION NUMBER: 09/434,382  
 ; PRIOR FILING DATE: 1999-11-05  
 ; NUMBER OF SEQ ID NOS: 240  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 224  
 ; LENGTH: 826  
 ; TYPE: PRT



DB 721 MLNHSORAKVPLSPNPNENKGVAFDMMKVCFGFPTMPKLIPLKALFAGDIEEMBE 780  
QY 781 RREKELQVRAALLSREIAGGLEDEBPQOKRAHTEBPQAKKVRQA 826  
DB 781 RREKELQVRAALLSREIAGGLEDEBPQOKRAHTEBPQAKKVRQA 826

## RESULT 8

US-09-988-687-226  
; Sequence 226, Application US/09988687  
; Publication No. US20030045704A1  
; GENERAL INFORMATION:  
; APPLICANT: Tavligian, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-linked and Orthologous Genes  
; FILE REFERENCE: 2318-258  
; CURRENT APPLICATION NUMBER: US/09/988,687  
; CURRENT FILING DATE: 2001-11-20  
; PRIOR APPLICATION NUMBER: 09/564,805  
; PRIOR FILING DATE: 2000-05-05  
; PRIOR APPLICATION NUMBER: US 60/107,468  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR APPLICATION NUMBER: 09/434,382  
; PRIOR FILING DATE: 1999-11-05  
; NUMBER OF SEQ ID NOS: 240  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 226  
; LENGTH: 826  
; TYPE: PRT  
; ORGANISM: Gorilla gorilla  
US-09-988-687-226

Query Match 98.5%; Score 4261; DB 11; Length 826;  
Best Local Similarity 98.5%; Pred. No. 0;  
Matches 814; Conservative 5; Mismatches 7; Indels 0; Gaps 0;

QY 1 MMALSLLSAAGRTMSQRTTSQAPARRERPKDPLRLTRKRGSGSGGPTVTL 60  
DB 1 MMALSLLSAAGRTMSQRTTSQAPARRERPKDPLRLTRKRGSGSGGPTVTL 60  
QY 61 QVVAAGSRDGAALVYFSEFNRYLTFNCGEGVQRLMOEHKLKVRLDNIPLTRMHSNVG 120  
DB 61 QVVAAGSRDGAALVYFSEFNRYLTFNCGEGVQRLMOEHKLKVRLDNIPLTRMHSNVG 120  
QY 121 LSGMILTLETGPKCVLSGPPQLEKYLEAIKIFSGPLKGIILAVRPHSAPEYEDETMTV 180  
DB 121 LSGMILTLETGPKCVLSGPPQLEKYLEAIKIFSGPLKGIILAVRPHSAPEYEDETMTV 180  
QY 181 YOPIHSEQRGKQHPWQSPERPLSLSPERSSDSENENEPHLPHGVQORGVNDSILV 240  
DB 181 YOPIHSEQRGKQHPWQSPERPLSLSPERSSDSENENEPHLPHGVQORGVNDSILV 240  
QY 241 VAFICLHLKRGKGFVLKAKEMGLPVGTALAIPIIAVVDGKSTHEGSEILAEELCTPR 300  
DB 241 VAFICLHLKRGKGFVLKAKEMGLPVGTALAIPIIAVVDGKSTHEGSEILAEELCTPR 300  
QY 301 DGAFAFVVECPDESEIOPICENATFORVQKADAPVALVHMAPASVYDSRYQOMMER 360  
DB 301 DGAFAFVVECPDESEIOPICENATFORVQKADAPVALVHMAPASVYDSRYQOMMER 360  
QY 361 FGPDTQHLVLENCAVNLRSKHIOQTQNLNHPDIFPLTSFRCKEGPTLSVPMVQGE 420  
DB 361 FGPDTQHLVLENCAVNLRSKHIOQTQNLNHPDIFPLTSFRCKEGPTLSVPMVQGE 420  
QY 421 CLKYQLARRERKQRAIITTCNPEEFIVALEQIPNQOSVOEYRKAQOGAPAEKRSQY 480  
DB 421 CLKYQLARRERKQRAIITTCNPEEFIVALEQIPNQOSVOEYRKAQOGAPAEKRSQY 480  
QY 481 YOPIHSEQRGKQHPWQSPERPLSLSPERSSDSENENEPHLPHGVQORGVNDSILV 240  
DB 481 YOPIHSEQRGKQHPWQSPERPLSLSPERSSDSENENEPHLPHGVQORGVNDSILV 240

QY 481 PEITFLGTGSAIPMKIRNVASATLVNISPDTSILLDCGGSTGQLCRHYGDVDRVLGTLA 540  
DB 481 PEITFLGTGSAIPMKIRNVASATLVNISPDTSILLDCGGSTGQLCRHYGDVDRVLGTLA 540  
QY 541 AVFVSHLADHHTGPTSLILORERATASLGKPLHPLLVAPNQLKAMIQOYNNOCOEVLH 600  
DB 541 AVFVSHLADHHTGPTSLILORERATASLGKPLHPLLVAPNQLKAMIQOYNNOCOEVLH 600  
QY 601 HISMIAPACLOEGABISSPAVERLISLRTCDLEBPOTCLVRHCKHFGCALVHTSGWK 660  
DB 601 HISMIAPACLOEGABISSPAVERLISLRTCDLEBPOTCLVRHCKHFGCALVHTSGWK 660  
QY 661 VVSGDTMPCBALVYMGDATALIHEATLEDGLEEBAVEKHTSTTSQASVGMKNNAEFT 720  
DB 661 VVSGDTMPCBALVYMGDATALIHEATLEDGLEEBAVEKHTSTTSQASVGMKNNAEFT 720  
QY 721 MLNHSORAKVPLSPNPNENKGVAFDMMKVCFGFPTMPKLIPLKALFAGDIEEMBE 780  
DB 721 MLNHSORAKVPLSPNPNENKGVAFDMMKVCFGFPTMPKLIPLKALFAGDIEEMBE 780  
QY 781 RREKELQVRAALLSREIAGGLEDEBPQOKRAHTEBPQAKKVRQA 826  
DB 781 RREKELQVRAALLSREIAGGLEDEBPQOKRAHTEBPQAKKVRQA 826

## RESULT 9

US-09-988-686-226  
; Sequence 226, Application US/09988686  
; Publication No. US20030120052A1  
; GENERAL INFORMATION:  
; APPLICANT: Tavligian, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-linked and Orthologous Genes  
; FILE REFERENCE: 2318-258  
; CURRENT APPLICATION NUMBER: US/09/988,686  
; CURRENT FILING DATE: 2001-11-20  
; PRIOR APPLICATION NUMBER: 09/564,805  
; PRIOR FILING DATE: 2000-05-05  
; PRIOR APPLICATION NUMBER: US 60/107,468  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR APPLICATION NUMBER: 09/434,382  
; PRIOR FILING DATE: 1999-11-05  
; NUMBER OF SEQ ID NOS: 240  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 226  
; LENGTH: 826  
; TYPE: PRT  
; ORGANISM: Gorilla gorilla  
US-09-988-686-226

Query Match 98.5%; Score 4261; DB 11; Length 826;  
Best Local Similarity 98.5%; Pred. No. 0;  
Matches 814; Conservative 5; Mismatches 7; Indels 0; Gaps 0;

QY 1 MMALSLLSAAGRTMSQRTTSQAPARRERPKDPLRLTRKRGSGSGGPTVTL 60  
DB 1 MMALSLLSAAGRTMSQRTTSQAPARRERPKDPLRLTRKRGSGSGGPTVTL 60  
QY 61 QVVAAGSRDGAALVYFSEFNRYLTFNCGEGVQRLMOEHKLKVRLDNIPLTRMHSNVG 120  
DB 61 QVVAAGSRDGAALVYFSEFNRYLTFNCGEGVQRLMOEHKLKVRLDNIPLTRMHSNVG 120  
QY 121 LSGMILTLETGPKCVLSGPPQLEKYLEAIKIFSGPLKGIILAVRPHSAPEYEDETMTV 180  
DB 121 LSGMILTLETGPKCVLSGPPQLEKYLEAIKIFSGPLKGIILAVRPHSAPEYEDETMTV 180  
QY 181 YOPIHSEQRGKQHPWQSPERPLSLSPERSSDSENENEPHLPHGVQORGVNDSILV 240  
DB 181 YOPIHSEQRGKQHPWQSPERPLSLSPERSSDSENENEPHLPHGVQORGVNDSILV 240

```

QY 241 VAFICKLHLKRGNFVLVAKEMGLPVGTAAIAPIIAAVVDGKSIITHEGREILAEELCTP 300
DB 241 VAFICKLHLKRGNFVLVAKEMGLPVGTAAIAPIIAAVVDGKSIITHEGREILAEELCTP 300
QY 301 DPGAAFFVVECPDESFIQPIICENATFORYGKADAPVALVHMADASVLYDSRYQOMMER 360
DB 301 DPGAAFFVVECPDESFIQPIICENATFORYGKADAPVALVHMADASVLYDSRYQOMMER 360
QY 361 FGPDTHLVNENCSVHNLSRSHKIQOTQNLHPDIPPLTSPFRCKEKPITLSVPMNGE 420
DB 361 FGPDTHLVNENCSVHNLSRSHKIQOTQNLHPDIPPLTSPFRCKEKPITLSVPMNGE 420
QY 421 CLKYQQLRRERWQDAIITCNPEEFIVEALQLPNFQOSVOEYRSADGPAAPAKRSQY 480
DB 421 CLKYQQLRRERWQDAIITCNPEEFIVEALQLPNFQOSVOEYRSADGPAAPAKRSQY 480
QY 481 PEIIFLGTSALPMKIRNVSATLVNISPTSLILDCGEGTFCQLCRHYGDQVDRVLGTLA 540
DB 481 PEIIFLGTSALPMKIRNVSATLVNISPTSLILDCGEGTFCQLCRHYGDQVDRVLGTLA 540
QY 541 AVFVSHLHADHHTGIPSLILQREBALSLGKPLHPLVVAPOULKAMIQOYHNOQOEVILH 600
DB 541 AVFVSHLHADHHTGIPSLILQREBALSLGKPLHPLVVAPOULKAMIQOYHNOQOEVILH 600
QY 601 HISMIPAKLOEGAEISSPAVERLISLLRTCDLEEFOTCLVRHCKHAFGCALVHTSGMK 660
DB 601 HISMIPAKLOEGAEISSPAVERLISLLRTCDLEEFOTCLVRHCKHAFGCALVHTSGMK 660
QY 661 VVYSGDTPCEALVWVGMDATLLIHEATLEDGLDEEAEVEXTHTTSSQAIISVGMNNAEPI 720
DB 661 VVYSGDTPCEALVWVGMDATLLIHEATLEDGLDEEAEVEXTHTTSSQAIISVGMNNAEPI 720
QY 721 MLNHSQRYAKVPLFSPNPESEKVGAFDPMKVCFGDPFTMPKLIPPLKALFAGDIEEME 780
DB 721 MLNHSQRYAKVPLFSPNPESEKVGAFDPMKVCFGDPFTMPKLIPPLKALFAGDIEEME 780
QY 781 RREKRELROYRAALISRELAGLEDGEPOOKRAHTEEPQAKKVRRAQ 826
DB 781 RREKRELROYRAALISRELAGLEDGEPOOKRAHTEEPQAKKVRRAQ 826

```

## RESULT 10

```

US-09-988-626-222
; Sequence 222, Application US/09988626
; Publication No. US20030044959A1
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988, 626
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 2000-05-05
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 222
; LENGTH: 822
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-988-626-222
Query Match 80.3%; Score 3473.5; DB 11; Length 822;
Best Local Similarity 80.5%; Pred. No. 0;

```

```

Matches 665; Conservative 66; Mismatches 76; Indels 19; Gaps 6;
QY 1 MMALCSILRSAAAGRTMSQGTISQAPARERPRKOPHLRTREKRGSGCGGPNYYTL 60
DB 1 MMALCSILRSAAAGRTMSQGTISQAPARERPRKOPHLRTREKRGSGCGGPNYYTL 60
QY 61 QVVAAGSRDGAALVYFSEFNRYLFPNCGEYQRLMOEHKLVARLDNI FLTRMHSNVGG 120
DB 61 QVVAAGSRDGAALVYFSEFNRYLFPNCGEYQRLMOEHKLVARLDNI FLTRMHSNVGG 120
QY 53 QVVAAGSRDGAALVYFSEFNRYLFPNCGEYQRLMOEHKLVARLDNI FLTRMHSNVGG 112
DB 53 QVVAAGSRDGAALVYFSEFNRYLFPNCGEYQRLMOEHKLVARLDNI FLTRMHSNVGG 112
QY 121 LSGMILTKETGPKCVTSGPPOLEKYLEAKITRSGPKGIELAVRPSAPRYEDETMTV 180
DB 121 LSGMILTKETGPKCVTSGPPOLEKYLEAKITRSGPKGIELAVRPSAPRYEDETMTV 180
QY 113 LCGMILTKETGPKCVTSGPPOLEKYLEAKITRSGPKGIELAVRPSAPRYEDETMTV 172
DB 113 LCGMILTKETGPKCVTSGPPOLEKYLEAKITRSGPKGIELAVRPSAPRYEDETMTV 172
QY 181 YQIPHSRQRGKQPMQSPERPLSRSPERSDSSENEPPLPHGVSORGV-RDSSL 239
DB 181 YQIPHSRQRGKQPMQSPERPLSRSPERSDSSENEPPLPHGVSORGV-RDSSL 239
QY 173 YQIPHSRQRGKQPMQSPERPLSRSPERSDSSENEPPLPHGVSORGV-RDSSL 226
DB 173 YQIPHSRQRGKQPMQSPERPLSRSPERSDSSENEPPLPHGVSORGV-RDSSL 226
QY 240 VAFICKLHLKRGNFVLVAKEMGLPVGTAAIAPIIAAVVDGKSIITHEGREILAEELCTP 299
DB 240 VAFICKLHLKRGNFVLVAKEMGLPVGTAAIAPIIAAVVDGKSIITHEGREILAEELCTP 299
QY 227 VVAFVCKLHLKRGNFVLVAKEMGLPVGTAAIAPIIAAVVDGKSIITHEGREILAEELCTP 286
DB 227 VVAFVCKLHLKRGNFVLVAKEMGLPVGTAAIAPIIAAVVDGKSIITHEGREILAEELCTP 286
QY 300 DPGAAFFVVECPDESFIQPIICENATFORYGKADAPVALVHMADASVLYDSRYQOMME 359
DB 300 DPGAAFFVVECPDESFIQPIICENATFORYGKADAPVALVHMADASVLYDSRYQOMME 359
QY 287 PDGGLVFFIVBCEPDEGFTLPICENTDFKRYQAEADAPVALVHIAVESVILIDRYQOMME 346
DB 287 PDGGLVFFIVBCEPDEGFTLPICENTDFKRYQAEADAPVALVHIAVESVILIDRYQOMME 346
QY 360 FGPDTHLVNENCSVHNLSRSHKIQOTQNLHPDIPPLTSPFRCKEKPITLSVPMNGE 419
DB 360 FGPDTHLVNENCSVHNLSRSHKIQOTQNLHPDIPPLTSPFRCKEKPITLSVPMNGE 419
QY 347 RFGPDTHLVNENCSVHNLSRSHKIQOTQNLHPDIPPLTSPFRCKEKPITLSVPMNGE 406
DB 347 RFGPDTHLVNENCSVHNLSRSHKIQOTQNLHPDIPPLTSPFRCKEKPITLSVPMNGE 406
QY 420 ECLIKYQQLRRERWQDAIITCNPEEFIVEALQLPNFQOSVOEYRSADGPAAPAKRSQ 479
DB 420 ECLIKYQQLRRERWQDAIITCNPEEFIVEALQLPNFQOSVOEYRSADGPAAPAKRSQ 479
QY 407 ECLIKYQQLRRERWQDAIITCNPEEFIVEALQLPNFQOSVOEYRSADGPAAPAKRSQ 466
DB 407 ECLIKYQQLRRERWQDAIITCNPEEFIVEALQLPNFQOSVOEYRSADGPAAPAKRSQ 466
QY 480 YPEIIFLGTSALPMKIRNVSATLVNISPTSLILDCGEGTFCQLCRHYGDQVDRVLGTL 539
DB 480 YPEIIFLGTSALPMKIRNVSATLVNISPTSLILDCGEGTFCQLCRHYGDQVDRVLGTL 539
QY 467 YPEIIFLGTSALPMKIRNVSATLVNISPTSLILDCGEGTFCQLCRHYGDQVDRVLGTL 526
DB 467 YPEIIFLGTSALPMKIRNVSATLVNISPTSLILDCGEGTFCQLCRHYGDQVDRVLGTL 526
QY 540 AAVFVSHLHADHHTGIPSLILQREBALSLGKPLHPLVVAPOULKAMIQOYHNOQOEVILH 599
DB 540 AAVFVSHLHADHHTGIPSLILQREBALSLGKPLHPLVVAPOULKAMIQOYHNOQOEVILH 599
QY 527 TAVFVSHLHADHHTGIPSLILQREBALSLGKPLHPLVVAPOULKAMIQOYHNOQOEVILH 586
DB 527 TAVFVSHLHADHHTGIPSLILQREBALSLGKPLHPLVVAPOULKAMIQOYHNOQOEVILH 586
QY 600 HHISMIPAKLOEGAEISSPAVERLISLLRTCDLEEFOTCLVRHCKHAFGCALVHTSGM 659
DB 600 HHISMIPAKLOEGAEISSPAVERLISLLRTCDLEEFOTCLVRHCKHAFGCALVHTSGM 659
QY 587 HHISMIPAKLOEGAEISSPAVERLISLLRTCDLEEFOTCLVRHCKHAFGCALVHTSGM 646
DB 587 HHISMIPAKLOEGAEISSPAVERLISLLRTCDLEEFOTCLVRHCKHAFGCALVHTSGM 646
QY 660 KVVYSGDTPCEALVWVGMDATLLIHEATLEDGLDEEAEVEXTHTTSSQAIISVGMNNAEPI 719
DB 660 KVVYSGDTPCEALVWVGMDATLLIHEATLEDGLDEEAEVEXTHTTSSQAIISVGMNNAEPI 719
QY 647 KVVYSGDTPCEALVWVGMDATLLIHEATLEDGLDEEAEVEXTHTTSSQAIISVGMNNAEPI 706
DB 647 KVVYSGDTPCEALVWVGMDATLLIHEATLEDGLDEEAEVEXTHTTSSQAIISVGMNNAEPI 706
QY 720 IMLNHSQRYAKVPLFSPNPESEKVGAFDPMKVCFGDPFTMPKLIPPLKALFAGDIEEME 779
DB 720 IMLNHSQRYAKVPLFSPNPESEKVGAFDPMKVCFGDPFTMPKLIPPLKALFAGDIEEME 779
QY 707 IMLNHSQRYAKVPLFSPNPESEKVGAFDPMKVCFGDPFTMPKLIPPLKALFAGDIEEME 766
DB 707 IMLNHSQRYAKVPLFSPNPESEKVGAFDPMKVCFGDPFTMPKLIPPLKALFAGDIEEME 766
QY 780 EREKRELROYRAALISRELAGLEDGEPOOKRAHTEEPQAKKVRRAQ 822
DB 780 EREKRELROYRAALISRELAGLEDGEPOOKRAHTEEPQAKKVRRAQ 822
QY 767 EREKRELROYRAALISRELAGLEDGEPOOKRAHTEEPQAKKVRRAQ 811
DB 767 EREKRELROYRAALISRELAGLEDGEPOOKRAHTEEPQAKKVRRAQ 811

```

## RESULT 11

```

US-09-988-687-222
; Sequence 222, Application US/09988687
; Publication No. US20030045704A1
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988, 687

```

/ CURRENT FILING DATE: 2001-11-20  
/ PRIOR APPLICATION NUMBER: 09/564,805  
/ PRIOR FILING DATE: 2000-05-05  
/ PRIOR APPLICATION NUMBER: US 60/107,468  
/ PRIOR FILING DATE: 1998-11-06  
/ PRIOR APPLICATION NUMBER: 09/434,382  
/ PRIOR FILING DATE: 1999-11-05  
/ NUMBER OF SEQ ID NOS: 240  
/ SOFTWARE: Patentn Ver. 2.0  
/ SEQ ID NO: 222  
/ LENGTH: 822  
/ TYPE: PRF  
/ ORGANISM: Mus musculus  
US-09-988-687-222

Query Match 80.3%; Score 3473.5; DB 11; Length 822;  
Best Local Similarity 80.5%; Pred. No. 0;  
Matches 665; Conservative 66; Mismatches 76; Indels 19; Gaps 6;  
QY 1 MMALCSLRLSAAAGRTMSQGRRTISQAAPRRERPRKDPRLRLTRREKRGSGSGGPTVYL 60  
DB 1 MMALRLRLPLRLGRTMSQ-----SARRPRPKDPLRLRLTRREKRGSG--PGGPTVYL 52  
QY 61 QVVAAGSRDGAALVVFSEFNRYLFNCGEGVRLMOEHKLKVARLDNIFLTRMHSNVG 120  
DB 53 QVVAAGRDGAALVVFSEFNRYLFNCGEGVRLMOEHKTESRLDNIFLTRMHSNVG 112  
QY 121 LSGMITLTKEGTPKCVLSGPPQLEKYLEAIKIFSGPLKGIELAVRPHAPREYEDETMTV 180  
DB 113 LCGMITLTKEGTPKCVLSGPPQLEKYLEAIKIFSGPLKGIELAVRPHAPREYEDETMTV 172  
QY 181 YQIPHSERCKHQPWOSPERPLSLSPSSSDSSSENENEPHLPHGVQORGV-RDSSL 239  
DB 173 YQVPIHSERCKHQPWOSPERPLSLSPSSSDSSSENENEPHLPHGVQORGV-RDSSL 226  
QY 240 VVAFLCKLHAKGNFLVLAKEKMLPVGTALAPIIAAVKDGKSTHGREILAEELCTP 299  
DB 227 VVAFLCKLHAKGNFLVLAKEKMLPVGTALAPIIAAVKDGKSTHGREILAEELCTP 286  
QY 300 PDBGAALVVEGCEDESFQIPICENATFORYQKADAPVALVYHMAASVLYVSRVQOMME 359  
DB 287 PDBGLVFIIVECEDESFQIPICENDTFKRYQAEADAPVALVYHMAASVLYVSRVQOMME 346  
QY 360 RFGPDTQHLVLENCSAVNLRSHKIQOTQLNIHPDIFPLLTSPCKKSGPTLSVPMVG 419  
DB 347 RFGPDTQHLVLENCSAVNLRSHKIQOTQLNIHPDIFPLLTSPCKKSGPTLSVPMVG 406  
QY 420 ECLLKQLAPRRERQDAILITCNPEEFIVEALQLPNFQOSVOEYRSADGPAPAKRSQ 479  
DB 407 ECLLKYSVPRKREWDITLDCTNDEFIAELPESFOESVEERYKNOENPAPAKRSQ 466  
QY 480 YPEIIFLGTSALPMKIRAVSATLVNISPTSLILDCGEGTQGLCRHNGDQDRLVLT 539  
DB 467 YPEIIFLGTSALPMKIRAVSATLVNISPTSLILDCGEGTQGLCRHNGDQDRLVLT 526  
QY 540 AAFVSHLHADHHTGSPILQREBALASLGRPLHPLVVAQNQLKAMLDQYHNOCQEV 599  
DB 527 TAVFVSHLHADHHTGSPILQREBALASLGRPLHPLVVAQNQLKAMLDQYHNOCQEV 586  
QY 600 HHISMTPAKCLQGAETISPAVERLISLILRTCDLEEFQTCVLRHCKGAFGALVHTSG 659  
DB 587 HHVSMTPAKCLQGAETISPAVERLISLILRTCDLEEFQTCVLRHCKGAFGALVHTSG 646  
QY 660 KVVYSGDTPMCEALVVMGKQATLLIHATLEDLLEBAVERHTSTTSQALNVGRNNAEP 719  
DB 647 KVVYSGDTPMCEALVVMGKQATLLIHATLEDLLEBAVERHTSTTSQALNVGRNNAEP 706  
QY 720 IMANHSORAKYPLSPNPFSEKGVAFDMKVCFGDFPTMPKIFPLKALFAGDIEEME 779  
DB 707 IMANHSORAKYPLSPNPFSEKGVAFDMKVCFGDFPTMPKIFPLKALFAGDIEEME 766  
QY 780 ERREKELRQVRAALLSRELAGLDEGPOQKRAHTEE---POAKK 822

DB 767 ERREKELRQVRAALLSRELAGLDEGPOQKRAHTEE---POAKK 811  
RESULT 12  
US-09-988-686-222  
/ Sequence 222, Application US/09988686  
/ Publication No. US20030120052A1  
/ GENERAL INFORMATION:  
/ APPLICANT: Tavligian, Sean V.  
/ APPLICANT: Teng, David H.F.  
/ APPLICANT: Simard, Jacques  
/ APPLICANT: Rommens, Johanna M.  
/ TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility  
/ FILE REFERENCE: 2318-258  
/ CURRENT APPLICATION NUMBER: US/09/988,686  
/ CURRENT FILING DATE: 2001-11-20  
/ PRIOR APPLICATION NUMBER: 09/564,805  
/ PRIOR FILING DATE: 2000-05-05  
/ PRIOR APPLICATION NUMBER: US 60/107,468  
/ PRIOR FILING DATE: 1998-11-06  
/ PRIOR APPLICATION NUMBER: 09/434,382  
/ NUMBER OF SEQ ID NOS: 240  
/ SOFTWARE: Patentn Ver. 2.0  
/ SEQ ID NO: 222  
/ LENGTH: 822  
/ TYPE: PRF  
/ ORGANISM: Mus musculus  
US-09-988-686-222

Query Match 80.3%; Score 3473.5; DB 11; Length 822;  
Best Local Similarity 80.5%; Pred. No. 0;  
Matches 665; Conservative 66; Mismatches 76; Indels 19; Gaps 6;  
QY 1 MMALCSLRLSAAAGRTMSQGRRTISQAAPRRERPRKDPRLRLTRREKRGSGSGGPTVYL 60  
DB 1 MMALRLRLPLRLGRTMSQ-----SARRPRPKDPLRLRLTRREKRGSG--PGGPTVYL 52  
QY 61 QVVAAGSRDGAALVVFSEFNRYLFNCGEGVRLMOEHKLKVARLDNIFLTRMHSNVG 120  
DB 53 QVVAAGRDGAALVVFSEFNRYLFNCGEGVRLMOEHKTESRLDNIFLTRMHSNVG 112  
QY 121 LSGMITLTKEGTPKCVLSGPPQLEKYLEAIKIFSGPLKGIELAVRPHAPREYEDETMTV 180  
DB 113 LCGMITLTKEGTPKCVLSGPPQLEKYLEAIKIFSGPLKGIELAVRPHAPREYEDETMTV 172  
QY 181 YQIPHSERCKHQPWOSPERPLSLSPSSSDSSSENENEPHLPHGVQORGV-RDSSL 239  
DB 173 YQVPIHSERCKHQPWOSPERPLSLSPSSSDSSSENENEPHLPHGVQORGV-RDSSL 226  
QY 240 VVAFLCKLHAKGNFLVLAKEKMLPVGTALAPIIAAVKDGKSTHGREILAEELCTP 299  
DB 227 VVAFLCKLHAKGNFLVLAKEKMLPVGTALAPIIAAVKDGKSTHGREILAEELCTP 286  
QY 300 PDBGAALVVEGCEDESFQIPICENATFORYQKADAPVALVYHMAASVLYVSRVQOMME 359  
DB 287 PDBGLVFIIVECEDESFQIPICENDTFKRYQAEADAPVALVYHMAASVLYVSRVQOMME 346  
QY 420 ECLLKQLAPRRERQDAILITCNPEEFIVEALQLPNFQOSVOEYRSADGPAPAKRSQ 479  
DB 407 ECLLKYSVPRKREWDITLDCTNDEFIAELPESFOESVEERYKNOENPAPAKRSQ 466  
QY 540 AAFVSHLHADHHTGSPILQREBALASLGRPLHPLVVAQNQLKAMLDQYHNOCQEV 599  
DB 527 TAVFVSHLHADHHTGSPILQREBALASLGRPLHPLVVAQNQLKAMLDQYHNOCQEV 586  
QY 600 HHISMTPAKCLQGAETISPAVERLISLILRTCDLEEFQTCVLRHCKGAFGALVHTSG 659  
DB 587 HHVSMTPAKCLQGAETISPAVERLISLILRTCDLEEFQTCVLRHCKGAFGALVHTSG 646  
QY 660 KVVYSGDTPMCEALVVMGKQATLLIHATLEDLLEBAVERHTSTTSQALNVGRNNAEP 719  
DB 647 KVVYSGDTPMCEALVVMGKQATLLIHATLEDLLEBAVERHTSTTSQALNVGRNNAEP 706  
QY 720 IMANHSORAKYPLSPNPFSEKGVAFDMKVCFGDFPTMPKIFPLKALFAGDIEEME 779  
DB 707 IMANHSORAKYPLSPNPFSEKGVAFDMKVCFGDFPTMPKIFPLKALFAGDIEEME 766  
QY 780 ERREKELRQVRAALLSRELAGLDEGPOQKRAHTEE---POAKK 822

```

Db 527 TAVFVSHLHADHHTGLINILQREHALASLCKPFGPLLVAPTOQLRAWLQOYHNMCOEIL 586
Qy 600 HHIMIPAKCLOEAGETSSPAVERLISLRTCDLEEFOTGLVHCKRAFGCALVHTSGW 659
Db 587 HHVMIIPKCKLOKAGVSNLTLERLISLLETCDEEFOTGLVHCKRAFGCALVHTSGW 646
Qy 660 KVVVSGDTPMCEALVWGMKDATLLIHEATLEDEGLLEEAVERKTHSTTSQAI SVGMNNAEF 719
Db 647 KVVVSGDTPMCEALVWGMKDATLLIHEATLEDEGLLEEAVERKTHSTTSQAI SVGMNNAEF 706
Qy 720 IMLNHSORVAKVPLFSPNFSKXGVAFDMKVCDFPTMPKLIPLIKALFAGDIEEME 779
Db 707 IMLNHSORVAKVPLFSPNFSKXGVAFDMKVCDFPTMPKLIPLIKALFAGDIEEME 766
Qy 780 ERRERRELVRAALLSRELAGLEDEGPOQKRAATEE---POAKK 822
Db 767 ERRERRELVRAALLTQO-ADSPEDREPQOKRAATDEPHSPQSKK 811

```

## RESULT 13

```

US-09-988-626-228
; Sequence 228, Application US/09988626
; Publication No. US20030044959a1
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988,626
; PRIOR FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 228
; LENGTH: 837
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-09-988-626-228

```

Query Match 20.2%; Score 875.5; DB 11; Length 837;

Best Local Similarity 29.4%; Pred. No. 6,8e-75; Matches 250; Conservative 128; Mismatches 297; Indels 175; Gaps 28;

```

Qy 41 RTREKRGSGSGGNTV-YLVVAG--SRDSGALVYFSEFNRYLFNCGEVQRLMOE 97
Db 39 RKSQGLNT-----NTIAVQIILGTMDTQDTSSVLLFPKXKFFINAGSGLORFCTE 92
Qy 98 HKLKVARLDNIFLTWMSNVGSLSGMILTK--ETGI PKCVLSGPPQLEKYLEAIKIF 154
Db 93 HKIKLSKIDHVLFSVCEETAGLPLGLLLTLAGIEEGSLVWV--GPDLDNLVDMKSF 151
Qy 155 SGLPKIGIL-AVRPHSAPE---YEDMTVYQI---PIHSQRGRGKHQPMQSPRPISR 206
Db 152 IPRAAVHTRSRGSSTPDPVIVLVNDEVKISAILLKCHSEB----- 194
Qy 207 LSPERSDSSESNENEPHLPHGVQRGVDSLVVAFICKLTKRGNPLVLAKEM-GLP 265
Db 195 -----DS-----GKSGDLSVVVYCELPKLEIKGPKLEAKKVFQVK 230
Qy 266 VGTAAIAPIIAAVKDGKSTHEGRIILA--EELCTPPDPGAAFAVYVECDSEFIQPICN 323
Db 231 PG-----PKYSRLQGESVSKSDERDITVHPSPDMGSPISLPGPVLIVLDCPTESHAAELPSL 285

```

```

Qy 324 ATFQRYOGKADAP-----VALVHMAPASVLDNRVQOMMERGPDTQHLV----- 369
Db 286 KSLSEYSSPDEQRTGAKFVNCIHLSPSSVTSSTPYQSMKKFHL-TQHLIAGHORELP 344
Qy 370 -----LNENCAVHNLRSKHTQTLNLIHPDIFPLITSRCCKEGSTLSVPMVG 419
Db 345 LLIIVSHQRTKRWKMAPPILKASSRIARLNYLCPQFPADGFWPSQTLTNSIIDPTSN 404
Qy 420 ECLKYOLRP--REMGDAIITCNPEEFIVEAL--QLPNFQGVQVEYR--SAODGAP 473
Db 405 ----KPLRPAVITGIDRSCIPAPLTSSEVDELSEIPEIKDSSEIKQPMNQHNMTI 460
Qy 474 AEK-----RSQYBEIIFLGTSALIPMKIRNVATLVNISPTSLLDG 516
Db 461 IETLMSECNVLPNCEKIRDMMEIYLGTSQSPKYNVAIFIDPSRGLLDC 520
Qy 517 GEGTFGOLCRHYG-DQYDVRVIGTLAAVFSHLADHRTGLPSILLQRRALASLCKPLRP 575
Db 521 GEGTLGOLKRRYGVGDGDEAVRKLRCIWIISHIDHHTGLARILLALREKLIK--GVTHP 578
Qy 576 LLVAPNQLKAMLQOYHMQCEVLHHISMIPAKC-----LOEGAEI-----SS 618
Db 579 VIVVGPRLKRFDAVQR-----LEDLMEFLDKRSTTATSWASLESQGEABGSLFTQGS 633
Qy 619 PAVE-----RLISSLRTCDLEEFOTGLVHCKRAFGCALVHTS--- 657
Db 634 PMQSVFKRSDISMNNSVTLCLKNLKVYLSIGLNDLSPFVHCPQAYGVVIAKAEVYN 693
Qy 658 -----GKRVYVSGDTPMCEALVWGMKDATLLIHEATLEDEGLLEEAVERKTHSTTSQAI 710
Db 694 SVGEQILGKWKVYSGDSRCPETVEASRDATILLIHEATFEDALLIIEALAKHSTYKEAID 753
Qy 711 VGMNNAEFIMLNHSORVAKVPLFSPNFSKXGVAFDMKVCDFPTMPKLIPLIKAL 770
Db 754 VGSAAVTRIVLTHSQRYPKIPVIDSHEMNTCIAFLMSINMADLVLPKLVPEFTL 813
Qy 771 FAGDIEEME 780
Db 814 FRDENVEDD 823

```

## RESULT 14

```

US-09-988-687-228
; Sequence 228, Application US/09988687
; Publication No. US20030045704A1
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988,687
; PRIOR FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 228
; LENGTH: 837
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-09-988-687-228

```

Query Match 20.2%; Score 875.5; DB 11; Length 837;

Best Local Similarity 29.4%; Pred. No. 6,8e-75; Matches 250; Conservative 128; Mismatches 297; Indels 175; Gaps 28;



```

41 RTREKRGPGCGGPNV-YLOVNAAG--SRDGAALVYFSEFNRYLFNCGGVORLME 97
39 RSGQKLNPT-----NTIAYAQILGTGMDTODTSSVLLFPKORIFINAGSGLORFCTE 92
98 HKLKYARDLNIPLTRMHSNVGSLGSMILTLK--ETGLPKCVLSGPPOLEKYLEIAKIF 154
93 HKIKLSKIDHVLFSKVCSTAGGLPGLLLTLTAGIGEGSLVVMW-GPSDLNLYVDMKSF 151
155 SGPLKGIEL-AVRPHSAPF---YEDETWTYQI---PHISQORRGKHQPMQSPERPLSR 206
152 IPRAMVHTRSGFSPSTPDPPIVLVNDDEVKISAILLKPCHSBE-----194
207 LSPERSDESSENEPHLPHGVSORGVDSLVVAFIKHLKRGNFVLAKEM-GLP 265
195 -----DS-----GNKSGLSVYVCELPBILKPFLEKAKKVFYK 230
266 VGTAAIAPITAAVKDGSITHEGREILA--BELCTPPDGAAFVVECPDESFIOTPCEN 323
231 PG-----PKYSRLQSGESVKSDEKDIIVHPSPVWMBGLPGLVLDCTESHAAELFSL 285
324 ATFORQKADAP-----VALVHMAPASVLDSTRYQOMMERFGPDTHLV-----369
286 KSLSEYSSPDDEQTIKAFVNCIHLSPSSVYSSPTYQSMKKFHL-TQHILAGHORFLP 344
370 -----LNENCASVHNLRSKIQOTQNLIHDPILPLTSPCKEKGPTLSVPMVG 419
345 LLIIVSHQTVRKMAFPILKASRIARLNTLCQFFPAPGFWPSQOLDNSTDPTPSN 404
420 ECLIKYOLRP--RREWQDAIITCNPEEFIVEAL--QLPNFOOSVOEYRR--SAODGPAP 473
405 -----KENLAPVARIGRDSCIPAPLTSSSEVDELSEIPEIKDSEIKQPMNKQNKTI 460
474 AEK-----RSQYBEIIFLGTSALPMKIRNVSATLVNISPTSLILDC 516
461 IEKLMSECNVTLPNCKEKIRRDMEIVILGTSSQPSKRVNSAIFIDLFRSGSLILDC 520
517 GEGTFOQLCRHYG--DOYDRLVLTGLAIVFVSHLHADHTGLPSILLORERLASLGRPLP 575
521 GEGTFOQLCRHYG--DOYDRLVLTGLAIVFVSHLHADHTGLARILARSLK--GVTHBP 578
576 LTVAPNOLKAWLQOYHNOQOEVLHHSI MI PAKC-----LOEGAEL-----SS 618
579 VIVGPRPLKRFUDAYOR-----LELDMEFLDCRSTTATSWASLESGBEBSLFTQGS 633
619 PAVE-----RLISSLRCTDLBEFQTCVLRHCKHAGCALVHVS---657
634 PMQSVFKRSDISDNSSVLLCLNKLKVLSEIGLNDLISFPVHCPQAGVVIKAERYN 693
658 -----GNKVYVSGDTMPCEALVYMGKDATLLIHEATLEDGLEEBAVEKHTSTSOAIS 710
694 SVGEQILGMKMYVSGSRPCETVEASRDATILIHETFEEDALIEBALKNHSTTKEAID 753
711 VGNRMNAEPIMLNHFQRYAKVPLFSPNFSKGVAFDHMKVCFGDPPTMKLIPPLKAL 770
754 VGSAAVYRVLVLFHFSQRYKPIVIDESHMNTCIAFDLMSINMADLHVLPKVLPFKTL 813
QY 771 FAGDIEEMER 780
DB 814 FRDEWVEDD 823

```

```

RESULT 15
US-09-988-686-228
; Sequence 228, Application US/09988686
; Publication No. US20030120052A1
; GENERAL INFORMATION:
; APPLICANT: Tavitigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility

```

```

; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988,686
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 228
; LENGTH: 837
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-09-988-686-228

```

```

Query Match 20.2%; Score 875.5; DB 11; Length 837;
Best Local Similarity 29.4%; Pred. No. 6,8e-75;
Matches 250; Conservative 128; Mismatches 297; Indels 175; Gaps 28;

```

```

41 RTREKRGPGCGGPNV-YLOVNAAG--SRDGAALVYFSEFNRYLFNCGGVORLME 97
39 RSGQKLNPT-----NTIAYAQILGTGMDTODTSSVLLFPKORIFINAGSGLORFCTE 92
98 HKLKYARDLNIPLTRMHSNVGSLGSMILTLK--ETGLPKCVLSGPPOLEKYLEIAKIF 154
93 HKIKLSKIDHVLFSKVCSTAGGLPGLLLTLTAGIGEGSLVVMW-GPSDLNLYVDMKSF 151
155 SGPLKGIEL-AVRPHSAPF---YEDETWTYQI---PHISQORRGKHQPMQSPERPLSR 206
152 IPRAMVHTRSGFSPSTPDPPIVLVNDDEVKISAILLKPCHSBE-----194
207 LSPERSDESSENEPHLPHGVSORGVDSLVVAFIKHLKRGNFVLAKEM-GLP 265
195 -----DS-----GNKSGLSVYVCELPBILKPFLEKAKKVFYK 230
266 VGTAAIAPITAAVKDGSITHEGREILA--BELCTPPDGAAFVVECPDESFIOTPCEN 323
231 PG-----PKYSRLQSGESVKSDEKDIIVHPSPVWMBGLPGLVLDCTESHAAELFSL 285
324 ATFORQKADAP-----VALVHMAPASVLDSTRYQOMMERFGPDTHLV-----369
286 KSLSEYSSPDDEQTIKAFVNCIHLSPSSVYSSPTYQSMKKFHL-TQHILAGHORFLP 344
370 -----LNENCASVHNLRSKIQOTQNLIHDPILPLTSPCKEKGPTLSVPMVG 419
345 LLIIVSHQTVRKMAFPILKASRIARLNTLCQFFPAPGFWPSQOLDNSTDPTPSN 404
420 ECLIKYOLRP--RREWQDAIITCNPEEFIVEAL--QLPNFOOSVOEYRR--SAODGPAP 473
405 -----KENLAPVARIGRDSCIPAPLTSSSEVDELSEIPEIKDSEIKQPMNKQNKTI 460
474 AEK-----RSQYBEIIFLGTSALPMKIRNVSATLVNISPTSLILDC 516
461 IEKLMSECNVTLPNCKEKIRRDMEIVILGTSSQPSKRVNSAIFIDLFRSGSLILDC 520
517 GEGTFOQLCRHYG--DOYDRLVLTGLAIVFVSHLHADHTGLPSILLORERLASLGRPLP 575
521 GEGTFOQLCRHYG--DOYDRLVLTGLAIVFVSHLHADHTGLARILARSLK--GVTHBP 578
576 LTVAPNOLKAWLQOYHNOQOEVLHHSI MI PAKC-----LOEGAEL-----SS 618
579 VIVGPRPLKRFUDAYOR-----LELDMEFLDCRSTTATSWASLESGBEBSLFTQGS 633
619 PAVE-----RLISSLRCTDLBEFQTCVLRHCKHAGCALVHVS---657
634 PMQSVFKRSDISDNSSVLLCLNKLKVLSEIGLNDLISFPVHCPQAGVVIKAERYN 693
658 -----GNKVYVSGDTMPCEALVYMGKDATLLIHEATLEDGLEEBAVEKHTSTSOAIS 710
694 SVGEQILGMKMYVSGSRPCETVEASRDATILIHETFEEDALIEBALKNHSTTKEAID 753
QY 771 FAGDIEEMER 780
DB 814 FRDEWVEDD 823

```



OY 711 VGMNNAEFFIMLNHFSORVAKVPLFSPNFSEKVGAFDMMKVCFGDFTMPKLIPLKAL 770  
DB 754 VGSANVYRIYVLTHTFSQRYPKIPVIDESHMNTCIAFDLMSINMADLHVLPKVLPPFKTL 813  
OY 771 FAGDIEEMEE 780  
DB 814 FRDEWVEDED 823

Search completed: January 13, 2004, 18:14:00  
Job time : 42 secs



Result No.	Score	Query	Length	DB	ID	Description
1	2481	100.0	2481	4	US-09-564-805-1	Sequence 1, Appl1
2	2481	100.0	2958	4	US-09-564-805-3	Sequence 3, Appl1
3	2455.4	98.5	2908	4	US-09-564-805-223	Sequence 223, Appl1
4	2442.6	99.0	2892	4	US-09-564-805-125	Sequence 225, Appl1
5	1645.6	66.3	2470	4	US-09-564-805-221	Sequence 221, Appl1
6	247.4	10.0	350	4	US-09-564-805-210	Sequence 210, Appl1
7	247.4	10.0	26664	4	US-09-564-805-18	Sequence 28, Appl1
8	245	9.9	295	4	US-09-564-805-4	Sequence 4, Appl1
9	237	9.6	238	3	US-09-328-11-115	Sequence 315, Appl1
10	228	9.2	655	4	US-09-564-805-27	Sequence 27, Appl1
11	145	5.8	145	4	US-09-564-805-26	Sequence 26, Appl1
12	139	5.6	139	4	US-09-564-805-16	Sequence 16, Appl1
13	139	5.6	139	4	US-09-564-805-20	Sequence 20, Appl1
14	121	4.9	121	4	US-09-564-805-24	Sequence 24, Appl1
15	120	4.8	120	4	US-09-564-805-10	Sequence 10, Appl1
16	119	4.8	119	4	US-09-564-805-18	Sequence 18, Appl1
17	113.6	4.6	326	4	US-09-564-805-112	Sequence 112, Appl1
18	113	4.6	113	4	US-09-564-805-14	Sequence 14, Appl1
19	110	4.4	110	4	US-09-564-805-12	Sequence 12, Appl1
20	100	4.0	100	4	US-09-564-805-23	Sequence 23, Appl1
21	97	3.9	97	4	US-09-564-805-15	Sequence 15, Appl1
22	96	3.9	96	4	US-09-564-805-15	Sequence 15, Appl1
23	86	3.5	86	4	US-09-564-805-17	Sequence 17, Appl1
24	79	3.2	79	4	US-09-564-805-25	Sequence 25, Appl1
25	73	2.9	73	4	US-09-564-805-13	Sequence 13, Appl1
26	71	2.9	71	4	US-09-564-805-6	Sequence 6, Appl1
27	69	2.8	69	4	US-09-564-805-9	Sequence 9, Appl1

28	65	65	4	US-09-564-805-7	Sequence 7, Appl.
29	59	59	5	US-09-564-805-11	Sequence 11, Appl.
30	59	59	4	US-09-564-805-12	Sequence 12, Appl.
31	58.4	2.4	2517	US-09-315-794-51	Sequence 51, Appl.
32	58.4	2.4	2517	US-09-389-341-51	Sequence 51, Appl.
33	58	2.3	58	US-09-564-805-8	Sequence 8, Appl.
34	51	2.1	51	US-09-564-805-5	Sequence 5, Appl.
35	48.6	2.0	4411529	US-09-103-840A-1	Sequence 1, Appl.
36	48.2	1.9	1926	US-09-249-585A-2	Sequence 2, Appl.
37	48.2	1.9	1926	US-09-410-399-3	Sequence 3, Appl.
38	48.2	1.9	2580	US-09-050-865-2	Sequence 2, Appl.
39	48.2	1.9	2580	US-09-359-081-2	Sequence 2, Appl.
40	48.2	1.9	5452	US-09-130-111-1	Sequence 1, Appl.
41	48.2	1.9	8705	US-09-647-344A-14	Sequence 14, Appl.
42	48.2	1.9	9600	US-08-910-647-1	Sequence 1, Appl.
43	48.2	1.9	9600	US-09-620-925-1	Sequence 1, Appl.
44	48.2	1.9	10596	US-07-884-841-15	Sequence 15, Appl.
45	48.2	1.9	10596	US-07-885-971-15	Sequence 15, Appl.

## ALIGNMENTS

RESULT 1  
HS-09-564-805-1

```

Sequence 1 Application US/09564805
Patent No. 6333403
GENERAL INFORMATION:
APPLICANT: Tavtigian, Sean V.
APPLICANT: Teng, David H.F.
APPLICANT: Simard, Jacques
APPLICANT: Rommens, Johanna M.
APPLICANT: Myriad Genetics, Inc.
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
FILE REFERENCE: 2318-258
CURRENT APPLICATION NUMBER: US/09/564,805
PRIORITY FILING DATE: 2000-05-05
PRIORITY APPLICATION NUMBER: US 60/107,468
PRIORITY FILING DATE: 1998-11-06
PRIORITY APPLICATION NUMBER: 09/434,382
PRIORITY FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1
LENGTH: 2481
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)..(2478)
US-09-564-805-1

```

Query Match	Score	DB 4	Length
100.0%	2481		2481

Matches 2481; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	ANGTGGGGGCGCTTGGCTCGCTGTGTGGGATCCGCGCGCGGAGCGACACATGTGCGACAGGACGC	60
QY	2	ANGTGGGGGCGCTTGGCTCGCTGTGTGGGATCCGCGCGCGGAGCGACACATGTGCGACAGGACGC <td>60</td>	60
Db	1	ANGTGGGGCGCTTGGCTCGCTGTGTGGGATCCGCGCGCGGAGCGACACATGTGCGAGGAGCGC	60
QY	61	ACCATATGCGACAGGACCCGCGCCGCGCGAGCGCGCCGCGCAGAGAACCGGCTCGCGCACCTG	120
Db	61	ACCATATGCGACAGGACCCGCGCCGCGCGAGCGCGCCGCGCAGAGAACCGGCTCGCGCACCTG	120
QY	121	CGGACCGCGAGAGAGCGCGGACCGTTCGGGGGTGCTTCGGCGGGCCCAACACCGGTATACCTG	180
Db	121	CGGACCGCGAGAGAGCGCGGACCGTTCGGGGGTGCTTCGGCGGGCCCAACACCGGTATACCTG	180
QY	181	CAGGTGTTGAGCAGCGGGTATGACCGGGACCTCGGGGCGCGCGCTCTACGTCTTTCGGAATTG	240
Db	181	CAGGTGTTGAGCAGCGGGTATGACCGGGACCTCGGGGCGCGCGCTCTACGTCTTTCGGAATTG	240

241 AACGGTATCTCTTCACTGTGAGAGAGCGTTGAGAGCTCATGACAGAGCAAGTTA 300  
241 AACGGTATCTCTTCACTGTGAGAGAGCGTTGAGAGCTCATGACAGAGCAAGTTA 300  
301 AAGGTGCTGGCTGAGACATATTTCTGACAGAAATGCACTGGTCTAAATGTTGGGGC 360  
301 AAGGTGCTGGCTGAGACATATTTCTGACAGAAATGCACTGGTCTAAATGTTGGGGC 360  
361 TTAAGTGAATGATCTTACTTAAAGAAACCGGGCTTCCAAATGTAATCTTCTGGA 420  
361 TTAAGTGAATGATCTTACTTAAAGAAACCGGGCTTCCAAATGTAATCTTCTGGA 420  
421 CCTCCAACTGAGAAAAATACCTCGAGCAATCAAAATATTTCTGATCAATGGAAGA 480  
421 CCTCCAACTGAGAAAAATACCTCGAGCAATCAAAATATTTCTGATCAATGGAAGA 480  
481 ATAGAACTGGCTGGCGGCGCCCACTGCGCCAGAAATGAGAGTGAACCAATGACATT 540  
481 ATAGAACTGGCTGGCGGCGCCCACTGCGCCAGAAATGAGAGTGAACCAATGACATT 540  
541 TACGAGATCCCATATACAGATGAAAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 600  
541 TACGAGATCCCATATACAGATGAAAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 600  
601 GAAAGGCTCTCAGAGGCTCAGTCAGAGCGATCTTCAAGCTCCGAGTCCGAATGAAAT 660  
601 GAAAGGCTCTCAGAGGCTCAGTCAGAGCGATCTTCAAGCTCCGAGTCCGAATGAAAT 660  
661 GAGCCACACTTCCATGATGTTTACGAGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAG 720  
661 GAGCCACACTTCCATGATGTTTACGAGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAG 720  
721 GATGCTTCACTGTGAGCTTCAATTAAGAGAGGAACTTCTGAGTCAAGCAAG 780  
721 GATGCTTCACTGTGAGCTTCAATTAAGAGAGGAACTTCTGAGTCAAGCAAG 780  
781 GAGATGAGCTCCAGATTGAGGAGAGCTGCTCCATCATTTGCTGCTCAAGAGC 840  
781 GAGATGAGCTCCAGATTGAGGAGAGCTGCTCCATCATTTGCTGCTCAAGAGC 840  
841 GGGAAAGCATCATCATGAGAGAGAGATTTTGGCTGAAGAGCTGTGTAATCTTCCA 900  
841 GGGAAAGCATCATCATGAGAGAGAGATTTTGGCTGAAGAGCTGTGTAATCTTCCA 900  
901 GATCTGTGCTGCTTTTGT 960  
901 GATCTGTGCTGCTTTTGT 960  
961 TGTGAGAAATGCACTTTCAGAGTACCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1020  
961 TGTGAGAAATGCACTTTCAGAGTACCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1020  
1021 GTTCAATGAGCCGAGCATCTGTGCTTGTGACAGAGGATCCAGAGTGTGATGAGAGG 1080  
1021 GTTCAATGAGCCGAGCATCTGTGCTTGTGACAGAGGATCCAGAGTGTGATGAGAGG 1080  
1081 TTTGGGCTGAGACCCAGCACTTGTGCTGTAATGAAATGTGCTCAAGTTCACAACTT 1140  
1081 TTTGGGCTGAGACCCAGCACTTGTGCTGTAATGAAATGTGCTCAAGTTCACAACTT 1140  
1141 CGCAGCCACAGATTCAAACCCAGCTCAATCCACCGGAGATCTTCCCTGCTC 1200  
1141 CGCAGCCACAGATTCAAACCCAGCTCAATCCACCGGAGATCTTCCCTGCTC 1200  
1201 ACCAGTTTCCGCTGTAAGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1260  
1201 ACCAGTTTCCGCTGTAAGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1260  
1261 TGGCTTCTCAAGTATCAAGTCCGTCCTCCAGAGAGGAGGAGGAGGAGGAGGAGGAGGAG 1320  
1261 TGGCTTCTCAAGTATCAAGTCCGTCCTCCAGAGAGGAGGAGGAGGAGGAGGAGGAGGAG 1320  
1321 TGCATCTCTGAGAAATTCATAGTGAAGGCTGACAGCTTCCAACTTCCAGAGAGCGTG 1380

1321 TGCATCTCTGAGAAATTCATAGTGAAGGCTGACAGCTTCCAACTTCCAGAGAGCGTG 1380  
1381 CAGAGATACAGAGAGAGTGGCAGAGAGCGCCACCCAGAGAGAGAGAGAGAGTCAATAC 1440  
1381 CAGAGATACAGAGAGAGTGGCAGAGAGCGCCACCCAGAGAGAGAGAGAGAGTCAATAC 1440  
1441 CCAGAAATCATCTTCTTGAAGAGAGGCTGCGCATCCCGATGAAGATTCGAATGTCACT 1500  
1441 CCAGAAATCATCTTCTTGAAGAGAGGCTGCGCATCCCGATGAAGATTCGAATGTCACT 1500  
1501 GCGACATTTGATCATTAAGCCCGGAGACCTCTTCTGATCTGATCTGATCTGATCTGAT 1560  
1501 GCGACATTTGATCATTAAGCCCGGAGACCTCTTCTGATCTGATCTGATCTGATCTGAT 1560  
1561 TTTGGGAGCTGTGCTGCTGATTTAAGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1620  
1561 TTTGGGAGCTGTGCTGCTGATTTAAGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1620  
1621 GCTGTGTTTGTGTCACCTGACAGAGATCAGACAGGAGGAGGAGGAGGAGGAGGAGGAG 1680  
1621 GCTGTGTTTGTGTCACCTGACAGAGATCAGACAGGAGGAGGAGGAGGAGGAGGAGGAG 1680  
1681 CAGAGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1740  
1681 CAGAGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1740  
1741 CCGAAGCAGCTCAAGAGGCTGCTCAGAGATCAGACAGGAGGAGGAGGAGGAGGAGGAGGAG 1800  
1741 CCGAAGCAGCTCAAGAGGCTGCTCAGAGATCAGACAGGAGGAGGAGGAGGAGGAGGAGGAG 1800  
1801 CACATCAGATATGATCTCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1860  
1801 CACATCAGATATGATCTCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1860  
1861 GTGAAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1920  
1861 GTGAAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1920  
1921 CTGGTGGGAGCTGCAAGCATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1980  
1921 CTGGTGGGAGCTGCAAGCATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1980  
1981 GTGTGTATTTCCGGGAGACACCATGCTCTGAGGCTGTGTCTCGAGTGGGAGGAGGAGGAGGAG 2040  
1981 GTGTGTATTTCCGGGAGACACCATGCTCTGAGGCTGTGTCTCGAGTGGGAGGAGGAGGAGGAG 2040  
1981 GTGTGTATTTCCGGGAGACACCATGCTCTGAGGCTGTGTCTCGAGTGGGAGGAGGAGGAGGAG 2040  
1981 GTGTGTATTTCCGGGAGACACCATGCTCTGAGGCTGTGTCTCGAGTGGGAGGAGGAGGAGGAG 2040  
2041 ACCCTCTGATATCATGAAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2100  
2041 ACCCTCTGATATCATGAAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2100  
2101 AACAAGCAGCAAGCTGCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2160  
2101 AACAAGCAGCAAGCTGCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2160  
2161 ATGTGAAACCACTTCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2220  
2161 ATGTGAAACCACTTCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2220  
2221 GAGAAAGTGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2280  
2221 GAGAAAGTGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2280  
2261 ATGTGAAACCACTTCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2320  
2261 ATGTGAAACCACTTCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2320  
2341 CCGAAGCTGATTTCCCGCACTAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2400  
2341 CCGAAGCTGATTTCCCGCACTAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2400  
2401 GCGGAGCTGAGAGATGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2460  
2401 GCGGAGCTGAGAGATGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2460

Db 2401 GCGCGCTGAGAGTGGGAGCTCAGCAGAGGCGGCCCAACAGAGGCCACAGGCC 2460  
QY 2461 AGAAGGTGAGAGGCCAGTGA 2481  
Db 2461 AGAAGGTGAGAGGCCAGTGA 2481

## RESULT 2

US-09-564-805-3  
; Sequence 3, Application US/09564805  
; Patent No. 6333403  
; GENERAL INFORMATION:  
; APPLICANT: Ravitigian, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility  
; FILE REFERENCE: 2318-258  
; CURRENT APPLICATION NUMBER: US/09/564,805  
; PRIOR FILING DATE: 2000-05-05  
; PRIOR APPLICATION NUMBER: US 60/107,468  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR APPLICATION NUMBER: 09/434,382  
; PRIOR FILING DATE: 1999-11-05  
; NUMBER OF SEQ ID NOS: 240  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 3  
; LENGTH: 2958  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (51)..(2531)  
; OTHER INFORMATION: coding sequence as in SEQ ID NO:1  
US-09-564-805-3

Query Match 100.0%; Score 2481; DB 4; Length 2958;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 2481; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGAGGAGCGCTTTGCTCGTGTGCTGCGTCCGCGGCGCGGACGACCATGTGCGAGGAGCG 60  
Db 51 ATGAGGAGCGCTTTGCTCGTGTGCTGCGTCCGCGGCGCGGACGACCATGTGCGAGGAGCG 110  
QY 61 ACCATATCGAGGAGCGCGCGCGCGCGGCGCGGCGCGGCGCGGCGCGGCGCGGCGCGGCGCGG 120  
Db 111 ACCATATCGAGGAGCGCGCGCGCGCGGCGCGGCGCGGCGCGGCGCGGCGCGGCGCGGCGCGG 170  
QY 121 CGCAGCGGAGAGAGCGCGGCGCGGCGCGGCGCGGCGCGGCGCGGCGCGGCGCGGCGCGGCGCGG 180  
Db 171 CGCAGCGGAGAGAGCGCGGCGCGGCGCGGCGCGGCGCGGCGCGGCGCGGCGCGGCGCGGCGCGG 230  
QY 181 CAGGTGTGCGAGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 240  
Db 231 CAGGTGTGCGAGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 290  
QY 241 AACCGGATCTCTTCAACTGTGAGAGAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 300  
Db 291 AACCGGATCTCTTCAACTGTGAGAGAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 350  
QY 301 AAGGTGTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 360  
Db 351 AAGGTGTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 410  
QY 361 TTAAGTGAATGATTTCTTAAAGGAAACCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 420  
Db 411 TTAAGTGAATGATTTCTTAAAGGAAACCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 470  
QY 421 CCTCCACAACCTGAAAAATACCTCGAAGCAATCAAAATATTTTCTGTGCTCAATTGAAGA 480  
Db 471 CCTCCACAACCTGAAAAATACCTCGAAGCAATCAAAATATTTTCTGTGCTCAATTGAAGA 530

QY 481 ATGAACTGCGCTGTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 540  
Db 531 ATGAACTGCGCTGTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 590  
QY 541 TACCAATGATCCCTTACACAGTGAACAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 600  
Db 591 TACCAATGATCCCTTACACAGTGAACAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 650  
QY 601 GAAAGGCTCTGAGAGGCTCAGTCCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 660  
Db 651 GAAAGGCTCTGAGAGGCTCAGTCCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 710  
QY 661 GAGCCACACCTTCCACAGTGTGTTAGCCAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 720  
Db 711 GAGCCACACCTTCCACAGTGTGTTAGCCAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 770  
QY 721 GTAGCTTTCACTGTGAAGCTTCACTTAAGAGAGGAACTTTTGTGTCTCAAGCAAG 780  
Db 771 GTAGCTTTCACTGTGAAGCTTCACTTAAGAGAGGAACTTTTGTGTCTCAAGCAAG 830  
QY 781 GAGATGGGCTCCAGTGGGAGAGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 840  
Db 831 GAGATGGGCTCCAGTGGGAGAGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 890  
QY 841 GGGAAAGCATCACTCATGAAGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 900  
Db 891 GGGAAAGCATCACTCATGAAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 950  
QY 901 GATCTGTGCTGTGTTGTGTGTGTAAGTGTCCAGATGAAGCTTCAATCAACCATC 960  
Db 951 GATCTGTGCTGTGTTGTGTGTGTAAGTGTCCAGATGAAGCTTCAATCAACCATC 1010  
QY 961 TGTGAAGATGCACTTTGAGAGTACCAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1020  
Db 1011 TGTGAAGATGCACTTTGAGAGTACCAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1070  
QY 1021 GTTCAATGAGCCCGAGCATGTGTGTGTGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1080  
Db 1071 GTTCAATGAGCCCGAGCATGTGTGTGTGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1130  
QY 1081 TTTGGGCTGACACCCGAGCTTGTGTGTGTAAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1140  
Db 1131 TTTGGGCTGACACCCGAGCTTGTGTGTGTAAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1190  
QY 1141 CGCAGCCCAAGATTCAAACCGAGCTTAACCTCAACCCGAGCATCTTCCCTCTC 1200  
Db 1191 CGCAGCCCAAGATTCAAACCGAGCTTAACCTCAACCCGAGCATCTTCCCTCTC 1250  
QY 1201 ACCAGTTTCCGCTGTGAAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1260  
Db 1251 ACCAGTTTCCGCTGTGAAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1310  
QY 1261 TGCCTCTCAAGTACAGCTCCGTCCTCCAGAGAGGAGTGGCAGAGGAGTGCATTATTA 1320  
Db 1311 TGCCTCTCAAGTACAGCTCCGTCCTCCAGAGAGGAGTGGCAGAGGAGTGCATTATTA 1370  
QY 1321 TGCATCTCTGAAGATTCATAGTGTGAGGCGCTGAGCTTCCCACTTCCAGCAGAGGAGT 1380  
Db 1371 TGCATCTCTGAAGATTCATAGTGTGAGGCGCTGAGCTTCCCACTTCCAGCAGAGGAGT 1430  
QY 1381 CAGAGTACAGAGGAGTGGCGCAGAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 1440  
Db 1431 CAGAGTACAGAGGAGTGGCGCAGAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 1490  
QY 1441 CCAGAAATCACTTCTTGGAAACAGGGCTTGCATCCCATGAAGATTGCAATGTCA 1500  
Db 1491 CCAGAAATCACTTCTTGGAAACAGGGCTTGCATCCCATGAAGATTGCAATGTCA 1550  
QY 1501 GCCACATTTGTCAACATTAAGCCCGGAGACGCTCTGTGTACTGAGCTGTGTGTGTGTGTGTGTGTGTGT 1560  
Db 1551 GCCACATTTGTCAACATTAAGCCCGGAGACGCTCTGTGTACTGAGCTGTGTGTGTGTGTGTGTGTGTGT 1610



QY 721 GTAGCTTTCATCTGTAAAGCTTCACTTAAGAAGAACTTTGTGTCTCAAGCAAG 780  
DB 721 GTAGCTTTCATCTGTAAAGCTTCACTTAAGAAGAACTTTGTGTCTCAAGCAAG 780  
QY 781 GAATGGGCTCCAGTGGGAGACGCTGCATCGCTCCCATATGTGTGTCTCAAGAC 840  
DB 781 GAATGGGCTCCAGTGGGAGACGCTGCATCGCTCCCATATGTGTGTCTCAAGAC 840  
QY 841 GGGAAAGCATCTCATGAAGAAGAGATTTTGGCTGAAGAGCTGTGATCTCTCCA 900  
DB 841 GGGAAAGCATCTCATGAAGAAGAGATTTTGGCTGAAGAGCTGTGATCTCTCCA 900  
QY 901 GATCTGTGTCTCTTTTGTGTGTGAATGTCTCAAGTAAAGCTTCATTCACCCATC 960  
DB 901 GATCTGTGTCTCTTTTGTGTGTGAATGTCTCAAGTAAAGCTTCATTCACCCATC 960  
QY 961 TGTGAAGATGCCCATCTTTCAGAGGTACCAAGAAAGGCAATGCCCCGTGTGTG 1020  
DB 961 TGTGAAGATGCCCATCTTTCAGAGGTACCAAGAAAGGCAATGCCCCGTGTGTG 1020  
QY 1021 GTTCACATGGCCCGAGCATGTGTGTGTGAAGACAGATGACAGATGAGAGAG 1080  
DB 1021 GTTCACATGGCCCGAGCATGTGTGTGTGAAGACAGATGACAGATGAGAGAG 1080  
QY 1081 TTTGGGCTGACACCCAGCATTTGTCTGTGAATGAGAACTGTGCTTCAGTTCAACCTT 1140  
DB 1081 TTTGGGCTGACACCCAGCATTTGTCTGTGAATGAGAACTGTGCTTCAGTTCAACCTT 1140  
QY 1141 CGAGGCCACAAATTTCAACCCAGCTCACTCAACCCGACATCTTCCCCCTGTCTC 1200  
DB 1141 CGAGGCCACAAATTTCAACCCAGCTCACTCAACCCGACATCTTCCCCCTGTCTC 1200  
QY 1201 ACCAGTTTCCGCTGTGAAGAAGAGGCCCCACCTCATGTGTGCCATGTTCAGGGTGA 1260  
DB 1201 ACCAGTTTCCGCTGTGAAGAAGAGGCCCCACCTCATGTGTGCCATGTTCAGGGTGA 1260  
QY 1261 TGCCTCTCAAGTACAGCTCCGTCCAGAGAGGAGTGGCAGAGGATGCTTATTACT 1320  
DB 1261 TGCCTCTCAAGTACAGCTCCGTCCAGAGAGGAGTGGCAGAGGATGCTTATTACT 1320  
QY 1321 TGCATCTCTGAAGATTCATATGTTAGGCGCTGACGCTTCCAACTTTCAGAGAGCTG 1380  
DB 1321 TGCATCTCTGAAGATTCATATGTTAGGCGCTGACGCTTCCAACTTTCAGAGAGCTG 1380  
QY 1381 CAGAGATACAGAGAGAGTGGCAGAGACGCCCCAGACAGAGAAAGTCACTAC 1440  
DB 1381 CAGAGATACAGAGAGAGTGGCAGAGACGCCCCAGACAGAGAAAGTCACTAC 1440  
QY 1441 CCAGAAATCATCTTCTTGGAAAGAGGTGTGCCATCCGATCCGATGAAATGTCACT 1500  
DB 1441 CCAGAAATCATCTTCTTGGAAAGAGGTGTGCCATCCGATGAAATGTCACT 1500  
QY 1501 GCCACACTTGTCAACATTAAGCCCCGACACGCTCTCTGTACTGTAGTGTGAAGGAC 1560  
DB 1501 GCCACACTTGTCAACATTAAGCCCCGACACGCTCTCTGTACTGTAGTGTGAAGGAC 1560  
QY 1561 TTTGGGAGCTGTGGCTCATTAACGAGACCAAGTGTGAAGAGGCTCTGGGACCTGGCT 1620  
DB 1561 TTTGGGAGCTGTGGCTCATTAACGAGACCAAGTGTGAAGAGGCTCTGGGACCTGGCT 1620  
QY 1621 GCTGTGTGTGTGCCACCTGACAGGAGATCAACACAGGGGCTTGGCAAGTCTGCTG 1680  
DB 1621 GCTGTGTGTGTGCCACCTGACAGGAGATCAACACAGGGGCTTGGCAAGTCTGCTG 1680  
QY 1681 CAGAGAGACGCGCTTGGCATCTTTGGGAAAGCCGCTTCACTTGTGTGTGTGTGCC 1740  
DB 1681 CAGAGAGACGCGCTTGGCATCTTTGGGAAAGCCGCTTCACTTGTGTGTGTGTGCC 1740  
QY 1741 CCCAACCAAGCTCAAAAGCTGTGCTTCAGAGATCAACACAGTGTCCAGAGGCTCTGAC 1800  
DB 1741 CCCAACCAAGCTCAAAAGCTGTGCTTCAGAGATCAACACAGTGTCCAGAGGCTCTGAC 1800

QY 1801 CACATCAGTATGATTTCTGCGCAATGCTTCAAGAAAGGGGCTGAGATCTCAGTCTGCA 1860  
DB 1801 CACATCAGTATGATTTCTGCGCAATGCTTCAAGAAAGGGGCTGAGATCTCAGTCTGCA 1860  
QY 1861 GTGGAAGATTTGATTCAGTTTGTGTGTGCGCAATGTGATTTGGAAGGTTTCAGACTGT 1920  
DB 1861 GTGGAAGATTTGATTCAGTTTGTGTGTGCGCAATGTGATTTGGAAGGTTTCAGACTGT 1920  
QY 1921 CTGTGCGGACCTGCAAGCATGCGTTGTGTGTGCGCTGTGTGACACCTTGTGCTGAAA 1980  
DB 1921 CTGTGCGGACCTGCAAGCATGCGTTGTGTGTGCGCTGTGTGACACCTTGTGCTGAAA 1980  
QY 1981 GTGTCTATTCCTGGGACACCATATCCCTGTGAGAGCTTGTGCGATGGGAAAGATGCC 2040  
DB 1981 GTGTCTATTCCTGGGACACCATATCCCTGTGAGAGCTTGTGCGATGGGAAAGATGCC 2040  
QY 2041 ACCCTCTGATTAATGAAGCACCTGTGAAGATGTGTTTGAAGAAGAGATGGAAAG 2100  
DB 2041 ACCCTCTGATTAATGAAGCACCTGTGAAGATGTGTTTGAAGAAGAGATGGAAAG 2100  
QY 2101 ACACAGCACAACGTCCTCAAGGCATCAGCGTGGGATGGGATGAACGCGAGTTCATT 2160  
DB 2101 ACACAGCACAACGTCCTCAAGGCATCAGCGTGGGATGGGATGAACGCGAGTTCATT 2160  
QY 2161 ATGCTGAACCATTCAGCCAGCGCTATGCCAAGTCCCTCTTTCAGCCCCCACTTCAAC 2220  
DB 2161 ATGCTGAACCATTCAGCCAGCGCTATGCCAAGTCCCTCTTTCAGCCCCCACTTCAAC 2220  
QY 2221 GAGAAAGTGGAGATGTGCTTTGACACATGAAGTCTGCTTTGGAAGCTTTCCAAATG 2280  
DB 2221 GAGAAAGTGGAGATGTGCTTTGACACATGAAGTCTGCTTTGGAAGCTTTCCAAATG 2280  
QY 2281 CCCAAGCTGATTTCCCACTGAAAGCCCTGTGTGTGTGCGACATCGAGAGATGAGAGAG 2340  
DB 2281 CCCAAGCTGATTTCCCACTGAAAGCCCTGTGTGTGTGCGACATCGAGAGATGAGAGAG 2340  
QY 2341 CGCAGGAGAGAGCGGAGAGTGCAGAGTGCAGAGCGGCGCTCTGTTCAGAGAGCTGCA 2400  
DB 2341 CGCAGGAGAGAGCGGAGAGTGCAGAGTGCAGAGCGGCGCTCTGTTCAGAGAGCTGCA 2400  
QY 2401 GCGGCGCTGAGAGATGGGAGGCTTCAGCAGAAAGCGGCGCCACACAGAGGACCAAGGCC 2460  
DB 2401 GCGGCGCTGAGAGATGGGAGGCTTCAGCAGAAAGCGGCGCCACACAGAGGACCAAGGCC 2460  
QY 2461 AAGAAGTCAAGAGCCCACTGA 2481  
DB 2461 AAGAAGTCAAGAGCCCACTGA 2481

RESULT 4  
US-09-564-805-225  
Sequence 225, Application US/09564805  
Patent No. 633403  
GENERAL INFORMATION:  
APPLICANT: Tavtigian, Sean V.  
APPLICANT: Teng, David H.F.  
APPLICANT: Simard, Jacques  
APPLICANT: Rommens, Jonathan M.  
TITLE OF INVENTION: Myriad Genetics, Inc.  
TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility  
FILE REFERENCE: 2318-258  
CURRENT APPLICATION NUMBER: US/09/564,805  
CURRENT FILING DATE: 2000-05-05  
PRIOR APPLICATION NUMBER: US 60/107,468  
PRIOR FILING DATE: 1998-11-06  
PRIOR APPLICATION NUMBER: 09/434,382  
PRIOR FILING DATE: 1999-11-05  
NUMBER OF SEQ. ID NOS: 240  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 225  
LENGTH: 2892  
TYPE: DNA





QY	2041	ACCTCTCGATACATGTAAGACCACTCGGAATGTTGGAAGAGAAAGCAGTGGAAAA	2100
Db	2041	ACCTCTCGATACATGTAAGACCACTCGGAATGTTGGAAGAGAAAGCAGTGGAAAA	2100
QY	2101	ACACACAGCACAAACGTCCCAAGCCATCAGCTGTGGAGATGCGATGAACGCGAGTTCATT	2160
Db	2101	ACACACAGCACAAACGTCCCAAGCCATCAGCTGTGGAGATGCGAGTTCATT	2160
QY	2161	ATGCTGAACCACTTCAGCAGCGCGTATGTCGAAGTCCCCCTTCAGGCCCACTTCAGC	2220
Db	2161	ATGCTGAACCACTTCAGCAGCGCGTATGTCGAAGTCCCCCTTCAGGCCCACTTCAGC	2220
QY	2221	GAGAAAGTGGAGTGTGCTTTGACCAACATGAAGTCTGCTTTGGAGATTTCCAACATG	2280
Db	2221	GAGAAAGTGGAGTGTGCTTTGACCAACATGAAGTCTGCTTTGGAGATTTCCAACATG	2280
QY	2281	CCCAAGCTGATTTCCCCCACTGAAGAACCCTGTTTGTCTGCGCAATCGAGAGATGGAGAG	2340
Db	2281	CCCAAGCTGATTTCCCCCACTGAAGAACCCTGTTTGTCTGCGCAATCGAGAGATGGAGAG	2340
QY	2341	CGCAGGGAGAACCGGGAGCTGCGGAGGTGGGGGCGGCCCTCTGTCCAGGGAGGTGGCA	2400
Db	2341	CGCAGGGAGAACCGGGAGCTGCGGAGGTGGGGGCGGCCCTCTGTCCGGGGAGGTGGCA	2400
QY	2401	GGCGGCTTGAAGATGGGGAGCTTCAGCAGAAAGCGGGCCCAACAGAGAGCCACAGGCC	2460
Db	2401	GGCGGCTTGAAGATGGGGAGCTTCAGCAGAAAGCGGGCCCAACAGAGAGCCACAGGCC	2460
QY	2461	AAGAAAGTCAGAGCCCACTGA	2481
Db	2461	AAGAAAGTCAGAGCCCACTGA	2481

## RESULT 5

```

US-09-564-805-221
/ Sequence 221, Application US/09564805
/ Patent No. 6333403
/ GENERAL INFORMATION:
/ APPLICANT: Tavtigian, Sean V.
/ APPLICANT: Teng, David H.F.
/ APPLICANT: Simard, Jacques
/ APPLICANT: Rommens, Johanna M.
/ APPLICANT: Myriad Genetics, Inc.
/ TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
/ TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
/ FILE REFERENCE: 2318-258
/ CURRENT APPLICATION NUMBER: US/09/564,805
/ CURRENT FILING DATE: 2000-05-05
/ PRIOR APPLICATION NUMBER: US 60/107,468
/ PRIOR FILING DATE: 1998-11-06
/ PRIOR APPLICATION NUMBER: 09/434,382
/ PRIOR FILING DATE: 1999-11-05
/ NUMBER OF SEQ ID NOS: 240
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 221
/ LENGTH: 2470
/ TYPE: DNA
/ ORGANISM: Mus musculus
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: (1)..(2466)
US-09-564-805-221

```

Query Match	66.3%	Score 1645.6;	DB 4;	Length 2470;
Best Local Similarity	81.6%;	Pred. No. 0;		
Matches 1958;	Conservative	0;	Mismatches 417;	Indels 24;
				Gaps 4;

QY 58 CGCACCAATATCGCAGGCACCCGCCCGCGAGCGCGCGAAGACCCGCTGGGGAC 117

Db 40 CGCACCAATGTCGACGGGTTCGTCTGTCGCGCGCGACCCAAAGACCCCTGGACAC 99

QY 118 CTGCGCAGCGCAGAAAGCGCGGACCGCTCGGGGTCTCCGGCGGCCAAACCGGTATC 177

Db	100	CTGGGTACGCGGGAGAAAGCCGGGCC-----GGGTCTCCGGGGGCCGAACACCGTGTAC	153
OY	178	CTGAGAGTGGTGGCAGCGGGTAGCGCGGGACTCGGGGCCGCCGCTCTACGCTTTCGCGAG	237
Db	154	CTGCAAGTGGTGGGGGGGGCGCGCGGGAGCGCGGGGGCTCTCTATGCTTCTCGGAA	213
OY	238	TTCAACCGGATATCTCTCAACTGCGAGGAAGGGCTTCAGAGACTCAGCAGAGACAAAG	297
Db	214	TACACAGGTAACCTTTTAACTGGGGAAGGCGTCCAAAGACTTATGCAAGAACAAAG	273
OY	298	TTAAAGTTGCTGCGCTGCAACAATATTCCTGACACGAATGCACTGTCATATGTTGGG	357
Db	274	ACTGAAGGTGCGTGCCTGACACATCTTCTGACTCGAATGCAATGTGCAAAATGTTGGG	333
OY	358	GGCTTAAAGTAATGATTTCTTAAAGAAACGGGGCTTCCAAAGTGTAATCTTCT	417
Db	334	GGGTGTGTGGAAATGATTTTAACTTTAAAGAAACCGGGCTTCCAAATGTGTCTCT	393
OY	418	GGACCTCCACAACGTGGAAATAACCTCGAAGCAATCAAAATATTTCTGGCTCATGAA	477
Db	394	GGACACACACAGCTGGGAAATATCTAGGAAGCAATCAAAATATTTCTGGCTCATGAA	453
OY	478	GGATATAGACTGGCTGTGCGGGCCCACTCTGCCACAGATACGAGATGAAACCATGACA	537
Db	454	GGATATAGACTGGCGCGGTGGCGGCTCACTGTGCACACGAATACAGATGAGACATGACT	513
OY	538	GTTTACCAAGATCCCATATACAAGTGAACAGAGAGGGGAAAGCACCAACCATGGCAGACT	597
Db	514	GTTTACCAAGATCCCTATCCACAGTGAACGAGAGGTGTGAAAGCAACGACATCCCAAGC	573
OY	598	CCAGAAAGGCTCTCAGCAGGCTCAGCCAGGACAGAGGATCTTCAAGCTCCGATGGAATGA	657
Db	574	CCAGAAATCTCTCCACAGAGCTCAGCCAAAGATCATGGACTTGATACGCTGAA	633
OY	658	AATGAGCACACCTTCCACATGGGTAGGCAAGAGAGAGGGGTCAGGGACTTCTCCCTG	717
Db	634	AATGGC-----AGTGCACAAGAAACATGGGGCAGGAGC-CCTCTTA	678
OY	718	GTCGTAGCTTTCATCTGTAAAGCTTCACTTAAAGAGAGAACTTCTGTGTCTCAAGCA	777
Db	679	GTCGTAGCTTTCATCTGTAAAGCTTCACTTAAAGAGAGAACTTCTGTGTCTTAAAGCA	738
OY	778	AAGAGATGGGCTCCCAAGTTGGGACAGCTGCCATCGCTCCATCATTTGCTGCTGACAG	837
Db	739	AAGAGATGGGCTCTCTGTGGGACGGCGCCATTCACCCATCTGCTGCTGACAG	798
OY	838	GAGCGGAAAGCATCATCTCATGAAAGAAAGAGATTTGGCTGAAGAGCTGTACTCCT	897
Db	799	GACGGAAAGATCATCTTACGAAAGAAAGAGATTTGCTGTGAAGACTTTGTATACACC	858
OY	898	CCAGATCTGTGTGCTTTTGT	957
Db	859	CCAGATCTGTGTGCTTTTGT	918
OY	958	ATCTGTGAAATGCACTTTCAGAGGTACCAAGAAAGGCAATGCCCCCTGTGGCTTGT	1017
Db	919	ATCTGTGAAATGCACTTTCAGAGGTACCAAGAGGCTGTGTGTGTGTGTGTGTGTGTGT	978
OY	1018	GTCGTTCATATGGCGCCAGAGATCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT	1077
Db	979	GTCGTTCATATGGCGCCAGAGATCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT	1038
OY	1078	AGGTTTGGGCTGACACCCAGCACTTGTGCTGTGATGAGAACTGTGTGCTCAGTTACAAAC	1137
Db	1039	AGGTTTGGGCTGACACACAGCACTGTATCTGTGAATGAGAAATTTGCCCTGGGTCCAAAC	1098
OY	1138	CTTGTGACCAAGATTCAAATCCCACTCACTCATCCACCGGACATTTTCCCTCTG	1197
Db	1099	CTGTGACCAAGATTCAGACCCAGCACTCACTCATCCACCTGTGACATTTTCCCTCAG	1158
OY	1198	CTACCAAGTTTCCGCTGTGAAGAAAGAGGGGCCCACTCAAGTGTGGCCATGTTCAAGGT	1257
Db	1159	CTTACCAAGCTTCTATGTGAAGAAAGAGGCTCACTCACTCACTGTGACCAAGTTTCCGAGT	1218



```

APPLICANT: Myriad Genetics, Inc.
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
TITLE OR INVENTION: Gene and a Paralog and Orthologous Genes
FILE REFERENCE: 2318-258
CURRENT APPLICATION NUMBER: US/09/564,805
CURRENT FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: US 60/107,468
PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/434,382
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 28
LENGTH: 26664
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
LOCATION: (910)..(13104)
OTHER INFORMATION: exon 1: 910-1154; exon 2: 1736-1786; exon 3:
OTHER INFORMATION: 1925-1995; exon 4: 3025-3089; exon 5: 4361-4418;
OTHER INFORMATION: exon 6: 5582-5550; exon 7: 7075-7194; exon 8:
OTHER INFORMATION: 8186-8244; exon 9: 12878-12936; exon 10:
NAME/KEY: misc feature
LOCATION: (13755)..(22917)
OTHER INFORMATION: exon 11: 13756-13868; exon 12: 15283-15378; exon
OTHER INFORMATION: 13: 16278-16416; exon 14: 16498-16583; exon 15:
OTHER INFORMATION: 18583-18701; exon 16: 20349-20445; exon 17:
OTHER INFORMATION: 22172-22310; exon 18: 22879-22917
NAME/KEY: misc feature
LOCATION: (23045)..(26452)
OTHER INFORMATION: exon 19: 23045-23154; exon 20: 23795-23895; exon
OTHER INFORMATION: 21: 23973-24093; exon 22: 24554-24432; exon 23:
OTHER INFORMATION: 25026-25170; exon 24: 25812-26036; polyadenylation
OTHER INFORMATION: signal: 26447-26452
NAME/KEY: variation
LOCATION: (826)..(23879)
OTHER INFORMATION: s at positions 826 and 23180 is G or C; Y at
OTHER INFORMATION: positions 1914, 5568, 7165, 16431, 1857 and 20486
OTHER INFORMATION: is C or T; n at position 13128 is C or Tgac; r at
positions 22211 and 23879 is A or G.
IS-09-564-805-28

```

RESULT 8  
US-09-564-805-4  
; Sequence 4, Application US/09564805  
; Patent No. 6333403  
; GENERAL INFORMATION:

```

APPLICANT: Tavtigian, Sean V.
APPLICANT: Teng, David H.F.
APPLICANT: Simard, Jacques
APPLICANT: Kommens, Johanna M.
APPLICANT: Myriad Genetics, Inc.
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
FILE REFERENCE: 2318-258
CURRENT APPLICATION NUMBER: US/09/564,805
CURRENT FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: US 60/107,468
PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/434,382
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 4
LENGTH: 295
TYPE: DNA
ORGANISM: Homo sapiens
FEATURES:
NAME/KEY: misc feature
LOCATION: (51)-(295)
OTHER INFORMATION: exon 1
US-09-564-805-4

```

RESULT 9  
US-09-328-111-315  
Sequence 315, Application US/09328111  
Patent No. 6262333  
GENERAL INFORMATION:  
APPLICANT: Endege, Wilson O.  
APPLICANT: Steilmann, Kathleen E.  
APPLICANT: Ascle, Jon H.  
APPLICANT: Burgess, Christopher C.  
APPLICANT: Bushnell, Steven E.  
APPLICANT: Carroll III, Eddie  
APPLICANT: Catino, Theodore J.  
APPLICANT: Dertli, Adam  
APPLICANT: Ford, Donna M.  
APPLICANT: Lewis, Marcia E.  
APPLICANT: Monahan, John E.  
APPLICANT: Schlegel, Robert  
TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION  
TITLE OF INVENTION: PRODUCTS  
FILE REFERENCE: CCD-257 (US)  
CURRENT APPLICATION NUMBER: US/09/328,111  
CURRENT FILING DATE: 1999-06-08

EARLIER APPLICATION NUMBER: US 60/088,801  
EARLIER FILING DATE: 1998-06-10  
NUMBER OF SEQ ID NOS: 850  
SOFTWARE: FASTSEQ for Windows Version 3.0  
SEQ ID NO 315  
LENGTH: 238  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-328-111-315

Query Match 9.6%; Score 237; DB 3; Length 238;  
Best Local Similarity 100.0%; Pred. No. 6.1e-55;

Matches 237; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 176 ACCTGACAGTGTGACGAGGAGTACCGGAGTCTCGGCGCGGCTTACGTTCTTCTCG 235  
DB 1 ACCTGACAGTGTGACGAGGAGTACCGGAGTCTCGGCGCGGCTTACGTTCTTCTCG 60  
QY 236 AGTTCAACCGGTATCTTCTTCAACTGTGAGAAAGCGCTTCAAGACTCATGACGACACA 295  
DB 61 AGTTCAACCGGTATCTTCTTCAACTGTGAGAAAGCGCTTCAAGACTCATGACGACACA 120  
QY 296 AGTTAAAGTGTGCTGCTGCTGACCAATATTCCTGACAGCAATGACAGTCTAATGTG 355  
DB 121 AGTTAAAGTGTGCTGCTGCTGACCAATATTCCTGACAGCAATGACAGTCTAATGTG 180  
QY 356 GGGGCTTAAAGTGAATGATCTTAAAGAAACCGGCTTCAAGTGTGAC 412  
DB 181 GGGGCTTAAAGTGAATGATCTTAAAGAAACCGGCTTCAAGTGTGAC 237

RESULT 10  
US-09-564-805-27  
Sequence 27, Application US/09564805

PATENT NO. 6333403  
GENERAL INFORMATION:  
APPLICANT: Tavligian, Sean V.  
APPLICANT: Teng, David H.F.  
APPLICANT: Simard, Jacques  
APPLICANT: Rommens, Johanna M.  
APPLICANT: Myriad Genetics, Inc.  
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
FILE REFERENCE: 2318-258  
CURRENT APPLICATION NUMBER: US/09/564,805  
CURRENT FILING DATE: 2000-05-05  
PRIOR APPLICATION NUMBER: US 60/107,468  
PRIOR FILING DATE: 1998-11-06  
PRIOR APPLICATION NUMBER: 09/434,382  
PRIOR FILING DATE: 1999-11-05  
NUMBER OF SEQ ID NOS: 240  
SOFTWARE: Patentln Ver. 2.0  
SEQ ID NO 27  
LENGTH: 655  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: misc feature  
LOCATION: (1)..(228)  
OTHER INFORMATION: exon 24  
NAME/KEY: polyA\_signal  
LOCATION: (636)..(641)  
US-09-564-805-27

Query Match 9.2%; Score 228; DB 4; Length 655;  
Best Local Similarity 100.0%; Pred. No. 3.3e-53;

Matches 228; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2284 GTTGTGCTTGGAGACTTTCACCAATGCGCAAGCTGATTCCTCCCACTGAAAGCCTGTGTT 2313  
DB 1 GTTGTGCTTGGAGACTTTCACCAATGCGCAAGCTGATTCCTCCCACTGAAAGCCTGTGTT 60  
QY 2314 GCTGCGCATCGAGAGATGAGAGCGCAGGAGAAACCGGAGCTGCGCAGGTGCGG 2373

DB 61 GCTGCGCATCGAGAGATGAGAGCGCAGGAGAAACCGGAGCTGCGCAGGTGCGG 120  
QY 2374 GCGGCGCTCTGTCTGACAGGAGCTTGGACAGCGGCTTGGAGATGGGAGCCTCAGCAGAAAG 2433  
DB 121 GCGGCGCTCTGTCTGACAGGAGCTTGGACAGCGGCTTGGAGATGGGAGCCTCAGCAGAAAG 180  
QY 2434 GCGGCGCATCGAGAGAGCCCAAGCCCAAGAGTCTGAGGCCCTCAGTGA 2481  
DB 181 GCGGCGCATCGAGAGAGCCCAAGCCCAAGAGTCTGAGGCCCTCAGTGA 228

RESULT 11  
US-09-564-805-26  
Sequence 26, Application US/09564805

PATENT NO. 6333403  
GENERAL INFORMATION:  
APPLICANT: Tavligian, Sean V.  
APPLICANT: Teng, David H.F.  
APPLICANT: Simard, Jacques  
APPLICANT: Rommens, Johanna M.  
APPLICANT: Myriad Genetics, Inc.  
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
FILE REFERENCE: 2318-258  
CURRENT APPLICATION NUMBER: US/09/564,805  
CURRENT FILING DATE: 2000-05-05  
PRIOR APPLICATION NUMBER: US 60/107,468  
PRIOR FILING DATE: 1998-11-06  
PRIOR APPLICATION NUMBER: 09/434,382  
PRIOR FILING DATE: 1999-11-05  
NUMBER OF SEQ ID NOS: 240  
SOFTWARE: Patentln Ver. 2.0  
SEQ ID NO 26  
LENGTH: 145  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: misc feature  
LOCATION: (1)..(145)  
OTHER INFORMATION: exon 23  
US-09-564-805-26

Query Match 5.8%; Score 145; DB 4; Length 145;  
Best Local Similarity 100.0%; Pred. No. 1.2e-30;

Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2109 CACAAGTCCCAACCAATCCGCGGAGATGCGATGAAGCGAGTTCAATTATGCTGAA 2168  
DB 1 CACAAGTCCCAACCAATCCGCGGAGATGCGATGAAGCGAGTTCAATTATGCTGAA 60  
QY 2169 CCACTTACAGCAGGCGCTATGCGCAAGTCCCTCTTACGCCCACTTACGAGAAAGT 2228  
DB 61 CCACTTACAGCAGGCGCTATGCGCAAGTCCCTCTTACGCCCACTTACGAGAAAGT 120  
QY 2229 GGAAGTGCCTTTGACCAATGAAG 2253  
DB 121 GGAAGTGCCTTTGACCAATGAAG 145

RESULT 12  
US-09-564-805-16  
Sequence 16, Application US/09564805

PATENT NO. 6333403  
GENERAL INFORMATION:  
APPLICANT: Tavligian, Sean V.  
APPLICANT: Teng, David H.F.  
APPLICANT: Simard, Jacques  
APPLICANT: Rommens, Johanna M.  
APPLICANT: Myriad Genetics, Inc.  
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
FILE REFERENCE: 2318-258

CURRENT APPLICATION NUMBER: US/09/564,805  
CURRENT FILING DATE: 2000-05-05  
PRIOR APPLICATION NUMBER: US 60/107,468  
PRIOR FILING DATE: 1998-11-06  
PRIOR APPLICATION NUMBER: 09/434,382  
PRIOR FILING DATE: 1999-11-05  
NUMBER OF SEQ ID NOS: 240  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 16  
LENGTH: 139  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: misc.feature  
LOCATION: (1)-(139)  
OTHER INFORMATION: exon 13  
US-09-564-805-16

Query Match  
Best Local Similarity 100.0%; Score 139; DB 4; Length 139;  
Pred. No. 5,6e-29; Mismatches 0; Indels 0; Gaps 0;  
Matches 139; Conservative 0;

QY 1080 GTTTGGCCGACACCCAGCACTGGTCTCGAATGAGAACTGTGCTTCCAGTTACACACT 1139  
DB 1 GTTTGGCCGACACCCAGCACTGGTCTCGAATGAGAACTGTGCTTCCAGTTACACACT 60

QY 1140 TCGCAGCACAAGATTCAACCCAGCTCAACCTCACCACCGACATCTTCCCGCTGCT 1199  
DB 61 TCGCAGCACAAGATTCAACCCAGCTCAACCTCACCACCGACATCTTCCCGCTGCT 120

QY 1200 CACCAAGTTTCGGCTGTAAAG 1218  
DB 121 CACCAAGTTTCGGCTGTAAAG 139

RESULT 13  
US-09-564-805-20  
Sequence 20, Application US/09564805  
Patent No. 6333403  
GENERAL INFORMATION:  
APPLICANT: Tavtigian, Sean V.  
APPLICANT: Teng, David H.F.  
APPLICANT: Simard, Jacques  
APPLICANT: Rommens, Johanna M.  
APPLICANT: Myriad Genetics, Inc.  
TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility  
TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes  
FILE REFERENCE: 2318-258  
CURRENT APPLICATION NUMBER: US/09/564,805  
CURRENT FILING DATE: 2000-05-05  
PRIOR APPLICATION NUMBER: US 60/107,468  
PRIOR FILING DATE: 1998-11-06  
PRIOR APPLICATION NUMBER: 09/434,382  
PRIOR FILING DATE: 1999-11-05  
NUMBER OF SEQ ID NOS: 240  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 20  
LENGTH: 139  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: misc.feature  
LOCATION: (1)-(139)  
OTHER INFORMATION: exon 17  
US-09-564-805-20

Query Match  
Best Local Similarity 100.0%; Score 139; DB 4; Length 139;  
Pred. No. 5,6e-29; Mismatches 0; Indels 0; Gaps 0;  
Matches 139; Conservative 0;

QY 1521 CCCGACACGCTCTCTGCTACTGACTGTGTGAGGAGGACATTTGGGACGCTGTGCCGTCA 1580  
DB 1 CCCGACACGCTCTCTGCTACTGACTGTGTGAGGAGGACATTTGGGACGCTGTGCCGTCA 60

QY 1581 TTACGAGACCAAGTGGACAGGGTCTGGACACTTGGCTGTGTGTTGTGCCACT 1640  
DB 61 TTACGAGACCAAGTGGACAGGGTCTGGACACTTGGCTGTGTGTTGTGCCACT 120

QY 1641 GCACGCAATCACCACACG 1659  
DB 121 GCACGCAATCACCACACG 139

RESULT 14  
US-09-564-805-24  
Sequence 24, Application US/09564805  
Patent No. 6333403  
GENERAL INFORMATION:  
APPLICANT: Tavtigian, Sean V.  
APPLICANT: Teng, David H.F.  
APPLICANT: Simard, Jacques  
APPLICANT: Rommens, Johanna M.  
APPLICANT: Myriad Genetics, Inc.  
TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility  
TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes  
FILE REFERENCE: 2318-258  
CURRENT APPLICATION NUMBER: US/09/564,805  
CURRENT FILING DATE: 2000-05-05  
PRIOR APPLICATION NUMBER: US 60/107,468  
PRIOR FILING DATE: 1998-11-06  
PRIOR APPLICATION NUMBER: 09/434,382  
PRIOR FILING DATE: 1999-11-05  
NUMBER OF SEQ ID NOS: 240  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 24  
LENGTH: 121  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: misc.feature  
LOCATION: (1)-(121)  
OTHER INFORMATION: exon 21  
US-09-564-805-24

Query Match  
Best Local Similarity 100.0%; Score 121; DB 4; Length 121;  
Pred. No. 4,9e-24; Mismatches 0; Indels 0; Gaps 0;  
Matches 121; Conservative 0;

QY 1909 TTTCAGACCTCTCTGTGTGCGGACCTGCAGCAATGCCCTTGGCTGTGCTGTGCGACAC 1968  
DB 1 TTTCAGACCTCTCTGTGTGCGGACCTGCAGCAATGCCCTTGGCTGTGCTGTGCGACAC 60

QY 1969 TCTGGCTGGAAGTGTCTATTCCGGGGACACCATGCGCTGCGAGGCTGTGTCGGATG 2028  
DB 61 TCTGGCTGGAAGTGTCTATTCCGGGGACACCATGCGCTGCGAGGCTGTGTCGGATG 120

QY 2029 G 2029  
DB 121 G 121

RESULT 15  
US-09-564-805-10  
Sequence 10, Application US/09564805  
Patent No. 6333403  
GENERAL INFORMATION:  
APPLICANT: Tavtigian, Sean V.  
APPLICANT: Teng, David H.F.  
APPLICANT: Simard, Jacques  
APPLICANT: Rommens, Johanna M.  
APPLICANT: Myriad Genetics, Inc.  
TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility  
TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes  
FILE REFERENCE: 2318-258  
CURRENT APPLICATION NUMBER: US/09/564,805  
CURRENT FILING DATE: 2000-05-05

```

? PRIOR APPLICATION NUMBER: US 60/107,468
? PRIOR FILING DATE: 1998-11-06
? PRIOR APPLICATION NUMBER: 09/434,382
? PRIOR FILING DATE: 1999-11-05
? NUMBER OF SEQ ID NOS: 240
? SOFTWARE: PatentIn Ver. 2.0
? SEQ ID NO 10
? LENGTH: 120
? TYPE: DNA
? ORGANISM: Homo sapiens
? FEATURE:
? NAME/KEY: misc_feature
? LOCATION: (1)..(120)
? OTHER INFORMATION: exon 7
US-03-564-805-10

```

	Query Match	4.8%	Score 120;	DB 4;	Length 120;	
	Best Local Similarity	100.0%;	Pred. No.	9.1e-24;		
	Matches 120;	Conservative	0;	Mismatches	0;	Indels
						Gaps 0;
Qy	560 GTGAACAGAGGAGGGGAAAGCAACCACCATGGCAGATGCCAAGAAAGGCCTTCACAGACGC					619
Db	1 GTGAACAGAGGAGGGGAAAGCAACCACCATGGCAGATGCCAAGAAAGGCCTTCACAGACGC					60
Qy	620 TCAgTCCAGAgCGATcTTcAGAcTTCGAgTGCGAATGAAtTAATgGCACAcCTTTCACATg					679
Db	61 TCAgTCCAGAgCGATcTTcAGAcTTCGAgTGCGAATGAAtTAATgGCACAcCTTTCACATg					120

Search completed: January 13, 2004, 23:23:17  
Job time : 161.101 secs



Db 1 ATGTGGGCGCTTTTGTCTGCTGCTGCGGTCCGCGGCGGACGACCATGTCTGACAGGAGC 60  
Qy 61 ACCATATGCGAGGACCCGCGCGCGAGGCGCGCGCAAGAGACCCGCTGCGGACCTG 120  
Db 61 ACCATATGCGAGGACCCGCGCGCGAGGCGCGCGCAAGAGACCCGCTGCGGACCTG 120  
Qy 121 CGCAGCGGAGAGACCGCGGACCGTCCGGGCTCTCCGCGGCGCCAAACACCGTGTACTG 180  
Db 121 CGCAGCGGAGAGACCGCGGACCGTCCGGGCTCTCCGCGGCGCCAAACACCGTGTACTG 180  
Qy 181 CAGGTGTGTGACAGGGGTAGCCGGGACTCCGGGCGCGGCTCTACGTTCTTCTCGAGTTC 240  
Db 181 CAGGTGTGTGACAGGGGTAGCCGGGACTCCGGGCGCGGCTCTACGTTCTTCTCGAGTTC 240  
Qy 241 AACCGGTATCTCTTCAACTGTGTGAGAAAGCGTTGAGAGACTCATGCAAGAGACAAAGTTA 300  
Db 241 AACCGGTATCTCTTCAACTGTGTGAGAAAGCGTTGAGAGACTCATGCAAGAGACAAAGTTA 300  
Qy 301 AAGGTGTCTGCTGTGACCAATATTCCTGACAGATGCACTGCTTAATGTTGGGGGC 360  
Db 301 AAGGTGTCTGCTGTGACCAATATTCCTGACAGATGCACTGCTTAATGTTGGGGGC 360  
Qy 361 TTAAGTGAATGATTTCTTACTTTAAAGAAACCGGGCTTCCAAAGTGTACTTTCTGGA 420  
Db 361 TTAAGTGAATGATTTCTTACTTTAAAGAAACCGGGCTTCCAAAGTGTACTTTCTGGA 420  
Qy 421 CCTCCACAACCTGGAAGAAATACCTGGAAGCAATCAAAATATTTTGTGCTCATTTGAAGGA 480  
Db 421 CCTCCACAACCTGGAAGAAATACCTGGAAGCAATCAAAATATTTTGTGCTCATTTGAAGGA 480  
Qy 481 ATAGAACTGTGCTGTGCGGCGCCCACTCTGCGCCAGATACGAGATGAAGAACATGACATT 540  
Db 481 ATAGAACTGTGCTGTGCGGCGCCCACTCTGCGCCAGATACGAGATGAAGAACATGACATT 540  
Qy 541 TACCAAGATCCCCATACAGATGAACAGAGAGGGGAAAGCAACCACTGGCAGAGTCA 600  
Db 541 TACCAAGATCCCCATACAGATGAACAGAGAGGGGAAAGCAACCACTGGCAGAGTCA 600  
Qy 601 GAAAGGCTCTCAGAGGCTCAGTCCAGAGGATTTTCAAGCTCCGAGTCCGAATGAANAAT 660  
Db 601 GAAAGGCTCTCAGAGGCTCAGTCCAGAGGATTTTCAAGCTCCGAGTCCGAATGAANAAT 660  
Qy 661 GAGCCACACTTCCACATGTGTAGCCAGAGAGAGGGGTCAAGGACTCTTCCCTGCTC 720  
Db 661 GAGCCACACTTCCACATGTGTAGCCAGAGAGAGGGGTCAAGGACTCTTCCCTGCTC 720  
Qy 721 GTAGCTTCACTGTGAAGCTTCACTTAAAGAGAGAACTTCTGTGTCTCAAGCAAG 780  
Db 721 GTAGCTTCACTGTGAAGCTTCACTTAAAGAGAGAACTTCTGTGTCTCAAGCAAG 780  
Qy 781 GAGATGGGCTCCCAAGTGGGAGAGCTGCACTGCTCCATCATTTGCTGTCAAGGAC 840  
Db 781 GAGATGGGCTCCCAAGTGGGAGAGCTGCACTGCTCCATCATTTGCTGTCAAGGAC 840  
Qy 841 GGGAAAAGCATCATCTCATGAAGAGAGAGATTTTGTGCTGAAGAGCTGTACTCTTCA 900  
Db 841 GGGAAAAGCATCATCTCATGAAGAGAGAGATTTTGTGCTGAAGAGCTGTACTCTTCA 900  
Qy 901 GATCTGTGTGCTGCTTTTGTGTGTGTAGATGTCCAGATGAAGCTTCAATCAACCCATC 960  
Db 901 GATCTGTGTGCTGCTTTTGTGTGTGTAGATGTCCAGATGAAGCTTCAATCAACCCATC 960  
Qy 961 TGTGAGATGACACTTTCAGAGTACCAAGGAAAGGAGATGCCCGGTGGCTTGGTG 1020  
Db 961 TGTGAGATGACACTTTCAGAGTACCAAGGAAAGGAGATGCCCGGTGGCTTGGTG 1020  
Qy 1021 GTTCAATAGGCCCCAGCATCTGTGCTTGTGACAGCAGATGACAGCATGTGATGAGAGG 1080  
Db 1021 GTTCAATAGGCCCCAGCATCTGTGCTTGTGACAGCAGATGACAGCATGTGATGAGAGG 1080  
Qy 1081 TTTGGGCTGACACCCAGACACTTGTGCTGTAATGAAGAACTGTGCTCATCAACCTT 1140  
Db 1081 TTTGGGCTGACACCCAGACACTTGTGCTGTAATGAAGAACTGTGCTCATCAACCTT 1140

Qy 1141 CGCAGCCACAAGATTTCAAACCCAGCTCAACCTCATCCACC CGGACATCTTCCCTGCTC 1200  
Db 1141 CGCAGCCACAAGATTTCAAACCCAGCTCAACCTCATCCACC CGGACATCTTCCCTGCTC 1200  
Qy 1201 ACCAGTTTCCGCTGTAAAGAGAGGGCCCACTCAGTGTGTGCCATGTGTCAAGGTGAA 1260  
Db 1201 ACCAGTTTCCGCTGTAAAGAGAGGGCCCACTCAGTGTGTGCCATGTGTCAAGGTGAA 1260  
Qy 1261 TGACTCTCAAGTACAGTCCGCTCCGAGGAGGAGTGGCAGAGAGATGACATTAATCT 1320  
Db 1261 TGACTCTCAAGTACAGTCCGCTCCGAGGAGGAGTGGCAGAGAGATGACATTAATCT 1320  
Qy 1321 TGCAATCCTGAGGAATTCATAGTTGAGGCGCTGCAAGCTTCCAACTTTCAGAGAGCGTG 1380  
Db 1321 TGCAATCCTGAGGAATTCATAGTTGAGGCGCTGCAAGCTTCCAACTTTCAGAGAGCGTG 1380  
Qy 1381 CAGAGATACAGAGAGATGGCGCAGAGACGGCCAGGCCCAAGCAAGAGAAAGTCAATAC 1440  
Db 1381 CAGAGATACAGAGAGATGGCGCAGAGACGGCCAGGCCCAAGCAAGAGAAAGTCAATAC 1440  
Qy 1441 CCAGAAATCATCTTCTTGGAAACAGGCTGCGCATCCCGATGAAGATTCGAATGTGAGT 1500  
Db 1441 CCAGAAATCATCTTCTTGGAAACAGGCTGCGCATCCCGATGAAGATTCGAATGTGAGT 1500  
Qy 1501 GCCACACTTGTCAACATAGGCCCGGACACGCTCTGTGCTACTGACTGTGTGAGGGGACA 1560  
Db 1501 GCCACACTTGTCAACATAGGCCCGGACACGCTCTGTGCTACTGACTGTGTGAGGGGACA 1560  
Qy 1561 TTTGGGAGCTGTGTGCGCTCATTAAGAGAACAGGTGACAGAGTCTGTGGGACCTTGCT 1620  
Db 1561 TTTGGGAGCTGTGTGCGCTCATTAAGAGAACAGGTGACAGAGTCTGTGGGACCTTGCT 1620  
Qy 1621 GCTGTGTTGTGTCCACCTGACAGCAGATCACACAGGCTTGGCCAAAGTACTTGTCTG 1680  
Db 1621 GCTGTGTTGTGTGTCCACCTGACAGCAGATCACACAGGCTTGGCCAAAGTACTTGTCTG 1680  
Qy 1681 CAGAGAGACGCGCTTGGACATCTTGTGGAAAGCGCGTTCAACCTTGTCTGTGTGCTC 1740  
Db 1681 CAGAGAGACGCGCTTGGACATCTTGTGGAAAGCGCGTTCAACCTTGTGTGTGCTC 1740  
Qy 1741 CCCAACCAAGCTCAAAAGCTGTGCTTCAGAGATCACACACAGATGACAGAGTCTTGAC 1800  
Db 1741 CCCAACCAAGCTCAAAAGCTGTGCTTCAGAGATCACACACAGATGACAGAGTCTTGAC 1800  
Qy 1801 CACATCAGTATGATTCCTGCAAAATGCTTCAGAGAGGGGCTGAGATCTCCAGTCTGCA 1860  
Db 1801 CACATCAGTATGATTCCTGCAAAATGCTTCAGAGAGGGGCTGAGATCTCCAGTCTGCA 1860  
Qy 1861 GTGAAAAGATTGATCAGTTGCTGTGCGAATGTGATTTGGAAGATTTCAAGCTGT 1920  
Db 1861 GTGAAAAGATTGATCAGTTGCTGTGCGAATGTGATTTGGAAGATTTCAAGCTGT 1920  
Qy 1921 CTGTGTGGGACCTGCAAGCATGCGTTTGTGTGTGCTGTGTGCAACCTTGTGTGAAA 1980  
Db 1921 CTGTGTGGGACCTGCAAGCATGCGTTTGTGTGTGCTGTGTGCAACCTTGTGTGAAA 1980  
Qy 1981 GTGTGTATTTCCGGGGACACCATGCGCTGCGAGGCTCTGCTCGGATGGGAAAGATGCC 2040  
Db 1981 GTGTGTATTTCCGGGGACACCATGCGCTGCGAGGCTCTGCTCGGATGGGAAAGATGCC 2040  
Qy 2041 ACCCTCTGATACATGAAGCCACCTGGAAGATGTTTGAAGAGAGCAGTGAAG 2100  
Db 2041 ACCCTCTGATACATGAAGCCACCTGGAAGATGTTTGAAGAGAGCAGTGAAG 2100  
Qy 2101 ACACACAGCACACGTCCTCAAGCCATCAGCGTGGGATGCGGATGAACGCGGATTCATT 2160  
Db 2101 ACACACAGCACACGTCCTCAAGCCATCAGCGTGGGATGCGGATGAACGCGGATTCATT 2160  
Qy 2161 ATGTGTAAACCATTCACCGAGCGCTATGCAAGGATCCCTTCAGGCCCACTTACG 2220  
Db 2161 ATGTGTAAACCATTCACCGAGCGCTATGCAAGGATCCCTTCAGGCCCACTTACG 2220



QY	2221	GAGAAATGGGAGTGGCTTCTTGACACAATGAAGTCTGCTTTGGAGACTTCCAAATG	2280
Db	2221	GAGAAATGGGAGTGGCTTGTGACACAATGAAGTCTGCTTTGGAGACTTCCAAATG	2280
QY	2281	CCCAAGCTGATCCCCCATGTGAAGCCCTGTTTGCTGGCGCATGTGAGGAGATGAGAG	2340
Db	2281	CCCAAGCTGATCCCCCATGTGAAGCCCTGTTTCTGGCGCATGTGAGGAGATGAGAG	2340
QY	2341	CGCAGGAGGAAGCGGGAGCTCGGCGAGGTGGGGCGGCGCTCTGTCCAGGAGAGCTGSCA	2400
Db	2341	CGCAGGAGGAAGCGGGAGCTCGGCGAGGTGGGGCGGCGCTCTGTCCAGGAGAGCTGSCA	2400
QY	2401	GGCGGCTTGAGGATGGGGAGCTTCAGCAGAAAGCGGGCTCCACAAGAGGAGCCACAGGCC	2460
Db	2401	GGCGGCTTGAGGATGGGGAGCTTCAGCAGAAAGCGGGCTCCACAAGAGGAGCCACAGGCC	2460
QY	2461	AAGAAAGTCAGAGCCCACTGA	2481
Db	2461	AAGAAAGTCAGAGCCCACTGA	2481

RESULT 2  
US-09-988-687-1

Sequence 1 Application US/0998687  
Publication No.: US20030045704A1  
GENERAL INFORMATION:  
APPLICANT: Tavtigian, Sean V.  
APPLICANT: Teng, David H.F.  
APPLICANT: Simard, Jacques  
APPLICANT: Rommens, Johanna M.  
APPLICANT: Myriad Genetics, Inc.  
TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility  
TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes  
FILE REFERENCE: 2318-258  
CURRENT APPLICATION NUMBER: US/09/988,687  
CURRENT FILING DATE: 2001-11-20  
PRIOR APPLICATION NUMBER: 09/564,805  
PRIOR FILING DATE: 2000-05-05  
PRIOR APPLICATION NUMBER: US 60/107,468  
PRIOR FILING DATE: 1998-11-06  
PRIOR APPLICATION NUMBER: 09/434,382  
PRIOR FILING DATE: 1999-11-05  
NUMBER OF SEQ ID NOS: 240  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 1  
LENGTH: 2481  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: CDS  
LOCATION: (1)..(2478)  
US-09-988-687-1

Query Match	100.0%;	Score 2481;	DB 11;	Length 2481;
Best Local Similarity	100.0%;	Pred. No. 0;		
Matches 2481;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

Qy	1	ATGAGGGGCGCTTTGGTGCCTCTGCGGGTCCCGGGCCGAGACCAATATCCGAGGGAGCG	60
Db	1	ATGAGGGGCGCTTTGGTGCCTCTGCGGGTCCCGGGCCGAGACCAATATCCGAGGGAGCG	60
Qy	61	ACCATATATCGACAGGCACTCCGCGCCGCGGAGCGGCCGCGCAAGAGACCGCTGCGGCACTGT	120
Db	61	ACCATATATCGACAGGCACTCCGCGCCGCGGAGCGGCCGCGCAAGAGACCGCTGCGGCACTGT	120
Qy	121	CGCACGCGAGAGAGAGCGCGGACCGTCCGGGGGTGCTCCGGCGGCCCAACACCGTGTACTTG	180
Db	121	CGCACGCGAGAGAGAGCGCGGACCGTCCGGGGGTGCTCCGGCGGCCCAACACCGTGTACTTG	180
Qy	181	CAGGTGGTGGCAGCGGGGTAGCGCGGGACCTCGGGCGCGCGGCTCTACGTCTTCGCGAGTTTC	240
Db	181	CAGGTGGTGGCAGCGGGGTAGCGCGGGACCTCGGGCGCGCGGCTCTACGTCTTCGCGAGTTTC	240

QY	241	AACCGGATCTCTTCAACTCTGGAGAAAGGGTTCAAGACATCATGCAAGGACAAATTA	300
Db	241	AACCGGATCTCTTCAACTCTGGAGAAAGGGTTCAAGACATCATGCAAGGACAAATTA	300
QY	301	AAGGTGCTGCGCTGCAACAATATTCCTGACAGAAATGCACTGTGCTTAATGTTGGGGGC	360
Db	301	AAGGTGCTGCGCTGCAACAATATTCCTGACAGAAATGCACTGTGCTTAATGTTGGGGGC	360
QY	361	TTAAGTGGAAATGATCTTACTTTTAAAGAAACCGGGCTTCCAAAGTGTGATCTTTCTGGA	420
Db	361	TTAAGTGGAAATGATCTTACTTTTAAAGAAACCGGGCTTCCAAAGTGTGATCTTTCTGGA	420
QY	421	CCTCCACAACCTGGAAAAATACCTCGAAGCAATCAAAATATTTTCTGCTCAATTGAAAGGA	480
Db	421	CCTCCACAACCTGGAAAAATACCTCGAAGCAATCAAAATATTTTCTGCTCAATTGAAAGGA	480
QY	481	ATGAACTGGCTGTGCGGCCCACTCTGCCAGAAATACAGAGATGAACCATGACAGTT	540
Db	481	ATGAACTGGCTGTGCGGCCCACTCTGCCAGAAATACAGAGATGAACCATGACAGTT	540
QY	541	TACCAATATCCCATACACAGTGAACAGAGAGGGGAAAGCAACCAATGGCAGATGCCA	600
Db	541	TACCAATATCCCATACACAGTGAACAGAGAGGGGAAAGCAACCAATGGCAGATGCCA	600
QY	601	GAAAGGCTCTCAGCAGAGCTCAGTCCAGTCCAGAGCGAATCTTCAGCTCCGATGGAAATGA	660
Db	601	GAAAGGCTCTCAGCAGAGCTCAGTCCAGTCCAGAGCGAATCTTCAGCTCCGATGGAAAT	660
QY	661	GAGCCACACCTTCCACATGATGTGTAGCCAGAGAAAGAGGGGTCAAGGGACTCTTCCCTGTC	720
Db	661	GAGCCACACCTTCCACATGATGTGTAGCCAGAGAAAGAGGGGTCAAGGGACTCTTCCCTGTC	720
QY	721	GTAAGCTTCAATCTGTAAAGCTTCACTTAAAGAGAGAACTTCTTGTTGCTCAAAAGCAAG	780
Db	721	GTAAGCTTCAATCTGTAAAGCTTCACTTAAAGAGAGAACTTCTTGTTGCTCAAAAGCAAG	780
QY	781	GAGATGGGGCTCCCAAGTTGGGACAGGCTGCCATGCTCCCATATTCGCTGCTCAAGGAC	840
Db	781	GAGATGGGGCTCCCAAGTTGGGACAGGCTGCCATGCTCCCATATTCGCTGCTCAAGGAC	840
QY	841	GGGAAAAGCATCACTCATGAAGAGAAAGAGATTTTGGCTGAAGAGCTGTGACTCTTCCA	900
Db	841	GGGAAAAGCATCACTCATGAAGAGAAAGAGATTTTGGCTGAAGAGCTGTGACTCTTCCA	900
QY	901	GATCCTGTGTGCTTTTGTGTGTGAATGTCCAGATGAAGCTTCAATCAACCATC	960
Db	901	GATCCTGTGTGCTTTTGTGTGTGAATGTCCAGATGAAGCTTCAATCAACCATC	960
QY	961	TGTGAAGATGCACTTTCAAGAGGTACCAAGAAAGGACAGATGCCCTGTGGCTTGGTG	1020
Db	961	TGTGAAGATGCACTTTCAAGAGGTACCAAGAAAGGACAGATGCCCTGTGGCTTGGTG	1020
QY	1021	GTTTCAATGGCCCCAGAGATGTGCTTGTGTGACAGAGGTATCCAGACAGTGAATGAAGAG	1080
Db	1021	GTTTCAATGGCCCCAGAGATGTGCTTGTGTGACAGAGGTATCCAGACAGTGAATGAAGAG	1080
QY	1081	TTTTGGGCTTGACACCCAGCACTTGTGCTTGAATGAGAACTGTGCTCAATTCACAACTT	1140
Db	1081	TTTTGGGCTTGACACCCAGCACTTGTGCTTGAATGAGAACTGTGCTCAATTCACAACTT	1140
QY	1141	CGACGCCACAAAGATTCAAAACCCAGCTCAACTTCAACCCGGGACATCTTCCCCTGTGTC	1200
Db	1141	CGACGCCACAAAGATTCAAAACCCAGCTCAACTTCAACCCGGGACATCTTCCCCTGTGTC	1200
QY	1201	ACCAAGTTTCGCTGTAAAGAAAGAGGGGCCCAACCTCAGTGTGGCCATGAGTTCAAGGATGA	1260
Db	1201	ACCAAGTTTCGCTGTAAAGAAAGAGGGGCCCAACCTCAGTGTGGCCATGAGTTCAAGGATGA	1260
QY	1261	TGCTCTCTCAAGTACAGTCCGTCCAGAGAGGGAGTGGCAGAGGATGCCATTAATTAAT	1320
Db	1261	TGCTCTCTCAAGTACAGTCCGTCCAGAGAGGGAGTGGCAGAGGATGCCATTAATTAAT	1320
QY	1321	TGCATATCTGAGGAATCATATGTTGAGGCGCTGCAGCTTCCCAATCTTCCAGACAGGCTG	1380

Dp	1321	TCGATCTCGAGGAAATTCAATAGTTGAGGCGCTGACGCTTCCCACTTCACAGACGCTG	1380
Qy	1381	CAGAGTACAGAGAGAGTGCAGGACCGGCCAGGCCAGCAGACAGAAAAAGATCAGTAC	1440
Dp	1381	CAGAGGTACAGAGAGAGTGCAGGACCGGCCAGGCCAGCAGACAGAAAAAGATCAGTAC	1440
Qy	1441	CCAGAAATCATCTCTCTTGGAACAGGGTCTGCATCCATCCGATGAAATTCGAAATGTCACT	1500
Dp	1441	CCAGAAATCATCTCTCTTGGAACAGGGTCTGCATCCATCCGATGAAATTCGAAATGTCACT	1500
Qy	1501	GCCACACTGTTCACATTAAGCCCCGACACGTCCTCGTACTGGACTGTGATGAGGGACCA	1560
Dp	1501	GCCACACTGTTCACATTAAGCCCCGACACGTCCTCGTACTGGACTGTGATGAGGGACCA	1560
Qy	1561	TTTGGGCGAGCTGTGCGCTCATTTACGAGACCAAGGTGACAGGGTCTTGGGACCCCTGGCT	1620
Dp	1561	TTTGGGCGAGCTGTGCGCTCATTTACGAGACCAAGGTGACAGGGTCTTGGGACCCCTGGCT	1620
Qy	1621	GCTGTGTTTGTGTCCACCTCGACGCGATCAACAACGGGCTTGCCAGTATCTTGCTG	1680
Dp	1621	GCTGTGTTTGTGTCCACCTCGACGCGATCAACAACGGGCTTGCCAGTATCTTGCTG	1680
Qy	1681	CAGAGAGAACGGGCTTGAGCATCTTTGGGAAAGCGGCTTCAACCTTGTCTGATGTTGGCC	1740
Dp	1681	CAGAGAGAACGGGCTTGAGCATCTTTGGGAAAGCGGCTTCAACCTTGTCTGATGTTGGCC	1740
Qy	1741	CCCAACCACTCAAGACCTGGCTCCAGACGTAACAACAACAAGTGCAGAGAGTCTGTGAC	1800
Dp	1741	CCCAACCACTCAAGACCTGGCTCCAGACGTAACAACAACAAGTGCAGAGAGTCTGTGAC	1800
Qy	1801	CACATCAGTATGATTCCTGCCAATATGCTTTCAGGAAAGGGGCTGAGATTCACATGCTGCA	1860
Dp	1801	CACATCAGTATGATTCCTGCCAATATGCTTTCAGGAAAGGGGCTGAGATTCACATGCTGCA	1860
Qy	1861	GTCGAAATTTGATTAAGTTGCTGTGTTGGGACATGTGATTTTGGAAAGATTCAGACCTGT	1920
Dp	1861	GTCGAAATTTGATTAAGTTGCTGTGTTGGGACATGTGATTTTGGAAAGATTCAGACCTGT	1920
Qy	1921	CTGTGTCGGGCACTGCACATGACGCTTTTGAGTGTGCGCTGATGCAACCTCTGGCTGAAA	1980
Dp	1921	CTGTGTCGGGCACTGCACATGACGCTTTTGAGTGTGCGCTGATGCAACCTCTGGCTGAAA	1980
Qy	1981	GTCGTCATTCCTGGGGACACCATGCTCTGCGAGGCTCTGTGCTCCGATGGGAAAGATGCC	2040
Dp	1981	GTCGTCATTCCTGGGGACACCATGCTCTGCGAGGCTCTGTGCTCCGATGGGAAAGATGCC	2040
Qy	2041	ACCTTCCTGATACATGAAGCCACCTCGAAGATGTTTGGAAAGGAAAGCAGTGGAAAAAG	2100
Dp	2041	ACCTTCCTGATACATGAAGCCACCTCGAAGATGTTTGGAAAGGAAAGCAGTGGAAAAAG	2100
Qy	2101	ACACACACACACACGTCCTCCAAAGCCATCAGCGTGGGATGCGGATGAAACGCGAGTTCAT	2160
Dp	2101	ACACACACACACACGTCCTCCAAAGCCATCAGCGTGGGATGCGGATGAAACGCGAGTTCAT	2160
Qy	2161	ATGCTGAACCACTTCAGCCAGCGCTATGCGCAAGGTCCTCCCTTCACGCCCAACTTCAGC	2220
Dp	2161	ATGCTGAACCACTTCAGCCAGCGCTATGCGCAAGGTCCTCCCTTCACGCCCAACTTCAGC	2220
Qy	2221	GAGAAAGTGGAGTTCCTTTGACACATGAAGGTCCTCTTTGGAGACTTTCACAAATG	2280
Dp	2221	GAGAAAGTGGAGTTCCTTTGACACATGAAGGTCCTCTTTGGAGACTTTCACAAATG	2280
Qy	2281	CCCAAGCTGATTCCTCCCACTGAAACCCCTGTTTGTGTCGACATTCAGAGATGGAGAG	2340
Dp	2281	CCCAAGCTGATTCCTCCCACTGAAACCCCTGTTTGTGTCGACATTCAGAGATGGAGAG	2340
Qy	2341	CGCAGAGGAAGCGGGAGCTGCGGAGGTGCGGGGCGGCTTCCTGTCCAGGAGCTGCA	2400
Dp	2341	CGCAGAGGAAGCGGGAGCTGCGGAGGTGCGGGGCGGCTTCCTGTCCAGGAGCTGCA	2400
Qy	2401	GCGGCTCTGAGAGATGGGGAGCTTCAGACGAAGCGGGCCCAACAGAGAGTCAAGGCC	2460
Dp	2401	GCGGCTCTGAGAGATGGGGAGCTTCAGACGAAGCGGGCCCAACAGAGAGTCAAGGCC	2460

Db	2401	GGCGGCTCGAGANTGGGGAACCTTCAGAGAAAGCGGGCCCAACAAGAGACCACAGGCC	2468
QY	2461	AAGAAGTTCAGAGCCCCCACTGA	2481
Db	2461	AAGAAGTTCAGAGCCCAGTGA	2481
RESULT 3			
US-09-988-686-1			
; Sequence 1, Application US/09988686			
; Publication No. US20030120052A1			
; GENERAL INFORMATION:			
; APPLICANT: Tavligian, Sean V.			
; APPLICANT: Teng, David H.F.			
; APPLICANT: Simard, Jacques			
; APPLICANT: Rommens, Johanna M.			
; APPLICANT: Myriad Genetics, Inc.			
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility			
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes			
; FILE REFERENCE: 2318-258			
; CURRENT APPLICATION NUMBER: US/09/988,686			
; CURRENT FILING DATE: 2001-11-20			
; PRIOR APPLICATION NUMBER: 09/564,805			
; PRIOR FILING DATE: 2000-05-05			
; PRIOR APPLICATION NUMBER: US 60/107,468			
; PRIOR FILING DATE: 1998-11-06			
; PRIOR APPLICATION NUMBER: 09/434,382			
; PRIOR FILING DATE: 1999-11-05			
; NUMBER OF SEQ ID NOS: 240			
; SOFTWARE: PatentIn Ver. 2.0			
; SEQ ID NO 1			
; LENGTH: 2481			
; TYPE: DNA			
; ORGANISM: Homo sapiens			
; FEATURE:			
; NAME/KEY: CDS			
; LOCATION: (1)..(2478)			
US-09-988-686-1			
Query Match            100.0%; Score 2481; DB 11; Length 2481;			
Best Local Similarity     100.0%; Pred. No. 0;			
Matches 2481; Conservative 0; Mismatches 0; Indels 0; Gaps 0;			
QY	1	ATGTGGGCGCTTTTGCTCGTCTCTCGTCCGGCCCGGCAGCACCATGTGCGAGGAGCG	60
Db	1	ATGTGGGCGCTTTTGCTCGTCTCTCGTCCGGCCCGGCAGCACCATGTGCGAGGAGCG	60
QY	61	ACCATATCGAGGAGCACC CGCCCGCGCGAGCGGCGCGCAAGAGACCCGCTCGGCACCTG	120
Db	61	ACCATATCGAGGAGCACC CGCCCGCGCGAGCGGCGCGCAAGAGACCCGCTCGGCACCTG	120
QY	121	CGCAGCGGAGAAAGCGCGGACCGTGGGGGTGCTTCGGCGGCGCCAAACCCGTGTACTG	180
Db	121	CGCAGCGGAGAAAGCGCGGACCGTGGGGGTGCTTCGGCGGCGCCAAACCCGTGTACTG	180
QY	181	CAGGTGTGTGCGAGCGGGGTGACCGGGGACTTCGGGGCGCTCTACGTCTTTCGGAAGTTC	240
Db	181	CAGGTGTGTGCGAGCGGGGTGACCGGGGACTTCGGGGCGCTCTACGTCTTTCGGAAGTTC	240
QY	241	AACCGGTATCTCTTCAACTGTGAGAAAGCGTTACAGAGACTCATGACAGAGACACAGATT	300
Db	241	AACCGGTATCTCTTCAACTGTGAGAAAGCGTTACAGAGACTCATGACAGAGACACAGATT	300
QY	301	AAGTGTGCTCGCTCGACACATATTCCTGACAGCAATGCACTGGTCTAATGTGGGGGC	360
Db	301	AAGTGTGCTCGCTCGACACATATTCCTGACAGCAATGCACTGGTCTAATGTGGGGGC	360
QY	361	TTAAGTGAATGATTTCTTACTTTAAAGAAACCGGGCTTCCAAGGTGTACTTTTCGGA	420
Db	361	TTAAGTGAATGATTTCTTACTTTAAAGAAACCGGGCTTCCAAGGTGTACTTTTCGGA	420
QY	421	CCTCCAACTCGAAAAATTACCTCGAAGCATCAAAATATTTTCGTGCTCATGGAAGA	480
Db	421	CCTCCAACTCGAAAAATTACCTCGAAGCATCAAAATATTTTCGTGCTCATGGAAGA	480

Db 421 CCTCCAACTGGAAAAATACCTCGAAGCATATAATTTTCTGCTCATTTGAAAGG 480  
QY 481 ATAGAACTGGCTGTGGGCCCCACTCTGCCCCAGAAATAGAGAGATAAACATGACAGTT 540  
Db 481 ATAGAACTGGCTGTGGGCCCCACTCTGCCCCAGAAATAGAGAGATAAACATGACAGTT 540  
QY 541 TACAGATCCCCATACAGATGAACAGAGAGAGGAAAGCAACACATGACAGAGTCCA 600  
Db 541 TACAGATCCCCATACAGATGAACAGAGAGAGGAAAGCAACACATGACAGAGTCCA 600  
QY 601 GAAAGGCTCTGAGGAGGCTCAGTCCAGAGCGATCTTTCAGACTCCGAGTGAATGAAAT 660  
Db 601 GAAAGGCTCTGAGGAGGCTCAGTCCAGAGCGATCTTTCAGACTCCGAGTGAATGAAAT 660  
QY 661 GAGCCACACCTTTCACATGAGTGTAGCCAGAGAGAGGAGTCAAGGACTCTTCCCTGTC 720  
Db 661 GAGCCACACCTTTCACATGAGTGTAGCCAGAGAGAGGAGTCAAGGACTCTTCCCTGTC 720  
QY 721 GTAGCTTTCATCTGTAGAGCTTCACTTAAAGAGAGAACTTCTGTGCTCAAGAGCAAG 780  
Db 721 GTAGCTTTCATCTGTAGAGCTTCACTTAAAGAGAGAACTTCTGTGCTCAAGAGCAAG 780  
QY 781 GAGATGGGCTCCCACTGTGGAGACAGTGCATGCTCCATCATTTGCTGTGTCAGAGAC 840  
Db 781 GAGATGGGCTCCCACTGTGGAGACAGTGCATGCTCCATCATTTGCTGTGTCAGAGAC 840  
QY 841 GGGAAAGCATCATCTATGAGAGAGAGATTTTGGCTGAGAGAGCTGTGTACTCTCCCA 900  
Db 841 GGGAAAGCATCATCTATGAGAGAGAGATTTTGGCTGAGAGAGCTGTGTACTCTCCCA 900  
QY 901 GATCTGTGCTGCTTTTGTGTGTAGAAATGTCAGATGAAAGCTTCAATCAACCATC 960  
Db 901 GATCTGTGCTGCTTTTGTGTGTGTAGAAATGTCAGATGAAAGCTTCAATCAACCATC 960  
QY 961 TGTGAGAAATGCCACTTTTACAGAGATACCAAGAAAGGAGATGCTCCCTGCTGTGTC 1020  
Db 961 TGTGAGAAATGCCACTTTTACAGAGATACCAAGAAAGGAGATGCTCCCTGCTGTGTC 1020  
QY 1021 GTTCAATGAGGCCCCAGCATCTGTGCTTGTGAGACAGAGGATCCAGAGATGAGAGAG 1080  
Db 1021 GTTCAATGAGGCCCCAGCATCTGTGCTTGTGAGACAGAGGATCCAGAGATGAGAGAG 1080  
QY 1081 TTTGGGCTGACACCCAGCATCTGTGCTTGTGAGATGAGAACTGTGCTCAACACTT 1140  
Db 1081 TTTGGGCTGACACCCAGCATCTGTGCTTGTGAGATGAGAACTGTGCTCAACACTT 1140  
QY 1141 CGCAGCCACAAAGATTCAAACTCCAGCTCACTCATCCACCCGAGCATCTTCCCTGCTC 1200  
Db 1141 CGCAGCCACAAAGATTCAAACTCCAGCTCACTCATCCACCCGAGCATCTTCCCTGCTC 1200  
QY 1201 ACCAGTTTCCGCTGTAAGAGAGAGGCCCCACCTCAGTGTGCCATGTTTCAGGGTGA 1260  
Db 1201 ACCAGTTTCCGCTGTAAGAGAGAGGCCCCACCTCAGTGTGCCATGTTTCAGGGTGA 1260  
QY 1261 TGGCTCTCAAGTACAGAGCTCCCTCCAGAGAGAGTGCAGAGAGATGCTATTACT 1320  
Db 1261 TGGCTCTCAAGTACAGAGCTCCCTCCAGAGAGAGTGCAGAGAGATGCTATTACT 1320  
QY 1321 TGCATCTCGAGGAATTCATAGTTGAGGCGCTCAGCTTCCAACTTCCAGCAGAGCGT 1380  
Db 1321 TGCATCTCGAGGAATTCATAGTTGAGGCGCTCAGCTTCCAACTTCCAGCAGAGCGT 1380  
QY 1381 CAGAGATACAGAGAGAGTGGCAGAGACGAGCCAGCCCAAGAGAGAGAGAGAGAGT 1440  
Db 1381 CAGAGATACAGAGAGAGTGGCAGAGACGAGCCAGCCCAAGAGAGAGAGAGAGT 1440  
QY 1441 CCAGAAATCATCTTCTTGGAGACAGGGTGCATCCCGATGAAATTCAGAAATGTCAGT 1500  
Db 1441 CCAGAAATCATCTTCTTGGAGACAGGGTGCATCCCGATGAAATTCAGAAATGTCAGT 1500  
QY 1501 GCCACACTGTGTAACATAGCCCCGACAGCTCTCTGTACTGAGCTGTGTGAGGGGACA 1560  
Db 1501 GCCACACTGTGTAACATAGCCCCGACAGCTCTCTGTACTGAGCTGTGTGAGGGGACA 1560

QY 1561 TTTGGGAGCTGTGCTGCTGCTTATACGAGAGACAGGTGAGACAGGCTCTGGGCACTCTGCT 1620  
Db 1561 TTTGGGAGCTGTGCTGCTGCTTATACGAGAGACAGGTGAGACAGGCTCTGGGCACTCTGCT 1620  
QY 1621 GCTGTGTTGTGTCCCACTGTGACAGGATCAACACACGCGGCTTGGCAAGTATCTTGTG 1680  
Db 1621 GCTGTGTTGTGTGTCCCACTGTGACAGGATCAACACACGCGGCTTGGCAAGTATCTTGTG 1680  
QY 1681 CAGAGAGACGCGCTTGGCATCTTGGAGAAAGCGCTTCACTTCTGTGCTGTGTGCTG 1740  
Db 1681 CAGAGAGACGCGCTTGGCATCTTGGAGAAAGCGCTTCACTTCTGTGCTGTGTGCTG 1740  
QY 1741 CCCAACAGCTCAAAAGCTGCTCCAGAGTACCAACACAGTCCAGAGAGTCTTGCAC 1800  
Db 1741 CCCAACAGCTCAAAAGCTGCTCCAGAGTACCAACACAGTCCAGAGAGTCTTGCAC 1800  
QY 1801 CACATGATGATGATTTCTGCAATGCTTTCAGAGAGAGGCTGAGATCTTCCAGTCTGCA 1860  
Db 1801 CACATGATGATGATTTCTGCAATGCTTTCAGAGAGAGGCTGAGATCTTCCAGTCTGCA 1860  
QY 1861 GTGGAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1920  
Db 1861 GTGGAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1920  
QY 1921 CTGCTGCGGCTGCAAGCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1980  
Db 1921 CTGCTGCGGCTGCAAGCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1980  
QY 1981 GTGTGTATTTCCGAGGACACCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2040  
Db 1981 GTGTGTATTTCCGAGGACACCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2040  
QY 2041 ACCCTCTGATTCATGAAAGCCCTGGAAGATGTTTGGAGAGAGAGAGAGAGAGAGAG 2100  
Db 2041 ACCCTCTGATTCATGAAAGCCCTGGAAGATGTTTGGAGAGAGAGAGAGAGAGAGAG 2100  
QY 2101 ACACACAGACAAAGCTCCCAAGCATCAGCTGAGGATGAGATGAACGAGATTCATT 2160  
Db 2101 ACACACAGACAAAGCTCCCAAGCATCAGCTGAGGATGAGATGAACGAGATTCATT 2160  
QY 2161 ATGCTGAACCATCTTACAGCAGGCTATGCTCAAGGCTCCCTCTTACGCCCACTTCA 2220  
Db 2161 ATGCTGAACCATCTTACAGCAGGCTATGCTCAAGGCTCCCTCTTACGCCCACTTCA 2220  
QY 2221 GAGAAAGTGGAGTGGCTTTTGAACATGAAAGTGTGCTTGTGAGACTTTTCAACAATG 2280  
Db 2221 GAGAAAGTGGAGTGGCTTTTGAACATGAAAGTGTGCTTGTGAGACTTTTCAACAATG 2280  
QY 2281 CCCAAGCTGATTCCTCCCACTGAAAGGCTGTTGCTGCTGCTGCTGCTGCTGCTGCTG 2340  
Db 2281 CCCAAGCTGATTCCTCCCACTGAAAGGCTGTTGCTGCTGCTGCTGCTGCTGCTGCTG 2340  
QY 2341 CGCAGGAGAAAGCGAGAGCTGCGAGAGTGGCGGCGGCTCTCTGTCCAGAGAGCTGGA 2400  
Db 2341 CGCAGGAGAAAGCGAGAGCTGCGAGAGTGGCGGCGGCTCTCTGTCCAGAGAGCTGGA 2400  
QY 2401 GCGGCTTGAAGATGAGGAGCTTCAAGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAG 2460  
Db 2401 GCGGCTTGAAGATGAGGAGCTTCAAGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAG 2460  
QY 2461 AAGAGGTGAGAGCCAGTGA 2481  
Db 2461 AAGAGGTGAGAGCCAGTGA 2481

RESULT 4  
US-09-988-626-3  
; Sequence 3, Application US/09988626  
; Publication No. US20030044959A1  
; GENERAL INFORMATION:  
; APPLICANT: Tavtligian, Sean V.  
; APPLICANT: Teng, David H. F.



Qy	1741	CCCAACGAGCTCAAGACCTGGCTCCAGAGTACCAACAACAGATCCAGAGGCTCTGAC	1800
Db	1791	CCCAACGAGCTCAAGACCTGGCTCCAGAGTACCAACAACAGATCCAGAGGCTCTGAC	1850
Qy	1801	CACATCAGTATGATTCCTGCCMAATGCTTCAGAGAAGGGGCTGAGATCTCCAGTCTGCA	1860
Db	1851	CACATCAGTATGATTCCTGCCMAATGCTTCAGAGAAGGGGCTGAGATCTCCAGTCTGCA	1910
Qy	1861	GTGGAAGAATTGATCAGTTGCGCTGTGGGAACATGTGATTTGGAAGATTTCAGACTGT	1920
Db	1911	GTGGAAGAATTGATCAGTTGCGCTGTGGGAACATGTGATTTGGAAGATTTCAGACTGT	1970
Qy	1921	CTGGTGGGGGCACTGCCAAGCAGTGCCTTGGCTGGTGGCGCTGGTGCAACCTCGCTGGAAA	1980
Db	1971	CTGGTGGGGGCACTGCCAAGCAGTGCCTTGGCTGGTGGCGCTGGTGCAACCTCGCTGGAAA	2030
Qy	1981	GTGGTCTATTTCCGGGGGACACCATGCTCCCTCGAGGCTCTGATCCGGATGGGGAAGATGCC	2040
Db	2031	GTGGTCTATTTCCGGGGGACACCATGCTCCCTCGAGGCTCTGATCCGGATGGGGAAGATGCC	2090
Qy	2041	ACCTCTCTGATATCATGAAGCCACCTCTGAGAGATGTTTGAAGAGAAAGCAGTGGAAAAG	2100
Db	2091	ACCTCTCTGATATCATGAAGCCACCTCTGAGAGATGTTTGAAGAGAAAGCAGTGGAAAAG	2150
Qy	2101	ACACACAGCAACAAGTCCCAAGCCATCAAGCGTGGGGATGCGGATGGAACGCGGATTCATT	2160
Db	2151	ACACACAGCAACAAGTCCCAAGCCATCAAGCGTGGGGATGCGGATGGAACGCGGATTCATT	2210
Qy	2161	ATGCTGAACCACTTTCAGGCAAGCGCTATGSCAAGGTCCTCTTCAGGCCCACTTGACG	2220
Db	2211	ATGCTGAACCACTTTCAGGCAAGCGCTATGSCAAGGTCCTCTTCAGGCCCACTTGACG	2270
Qy	2221	GAGAAAGTGGGAGTTGCTTTGACCACATGAAGGTCTGTGTGAGACTTTTCCAACAATG	2280
Db	2271	GAGAAAGTGGGAGTTGCTTTGACCACATGAAGGTCTGTGTGAGACTTTTCCAACAATG	2330
Qy	2281	CCCAAGCTGATTCCTCCCACTGTAAGCCCTGTTTGTGTGCGCATCATGAGAGATGAGAGG	2340
Db	2331	CCCAAGCTGATTCCTCCCACTGTAAGCCCTGTTTGTGTGCGCATCATGAGAGATGAGAGG	2390
Qy	2341	CGCAGGGGGAAGCGGGAGCTGCGGAGGTGCGGGCGGCTTCCTGTCAGGGAGCTGGCA	2400
Db	2391	CGCAGGGGGAAGCGGGAGCTGCGGAGGTGCGGGCGGCTTCCTGTCAGGGAGCTGGCA	2450
Qy	2401	GGCGGCTCTGAGAGTGGGGAGCTCTCAGCAGAGAAGCGGGCCCAACAGAGAGCCACAGGCC	2460
Db	2451	GGCGGCTCTGAGAGTGGGGAGCTCTCAGCAGAGAAGCGGGCCCAACAGAGAGCCACAGGCC	2510
Qy	2461	AAGAAGGTCAAGGCCCACTGA 2481	
Db	2511	AAGAAGGTCAAGGCCCACTGA 2531	

```

? PRIOR FILING DATE: 1999-11-05
? NUMBER OF SEQ ID NOS: 240
? SOFTWARE: PatentIn Ver. 2.0
? SEQ ID NO 3
? LENGTH: 2958
? TYPE: DNA
? ORGANISM: Homo sapiens
? FEATURE:
? NAME/KEY: misc feature
? LOCATION: (51)..(2531)
? OTHER INFORMATION: coding sequence as in SEQ ID NO.1
US-09-388-687-3

```

Query Match	100.0%	Score 2481;	DB 11;	Length 2958;
Best Local Similarity	100.0%;	Pred. No. 0;		
Matches 2481; Conservative	0;	Mismatches	0;	Indels 0; Gaps 0;

QY	1	ATGAGGACGCTTTGCTCGTGTCTCGGTCTCGGACCGGACCGACCATGTCCAGAGGACGC	60
Db	51	ATGAGGACGCTTTGCTCGTGTCTCGGTCTCGGACCGGACCGACCATGTCCAGAGGACGC	110
QY	61	ACCATATCGACGACCCCGCCCGCGAGCGCGCGGACGACCCGCTCGGACCTG	120
Db	111	ACCATATCGACGACCCCGCCCGCGAGCGCGCGGACGACCCGCTCGGACCTG	170
QY	121	CGACCGGAGAGAGAGCGCGGACCGCTCGGAGGTCTCGGCGGCGCCAAACACGTGTACCTG	180
Db	171	CGACCGGAGAGAGAGCGCGGACCGCTCGGAGGTCTCGGCGGCGCCAAACACGTGTACCTG	230
QY	181	CAGGTGTGGCAGCGGGTAGCCGGAGCTCGGACCGCGGCTCTACGTCTTCTCCGAGTTG	240
Db	231	CAGGTGTGGCAGCGGGTAGCCGGAGCTCGGACCGCGGCTCTACGTCTTCTCCGAGTTG	290
QY	241	AACCGGTATCTCTTCAACTGTGGAGAGGCGCTTACAGATCTATGACAGACCAAGTTA	300
Db	291	AACCGGTATCTCTTCAACTGTGGAGAGGCGCTTACAGATCTATGACAGACCAAGTTA	350
QY	301	AAGGTTCGTGGCCGTGGACCAATATTCCTGACAGAAATGCACTGCTCTAAATGTTGGGGGC	360
Db	351	AAGGTTCGTGGCCGTGGACCAATATTCCTGACAGAAATGCACTGCTCTAAATGTTGGGGGC	410
QY	361	TTAAGTGAATGATCTTAACTTTTAAAGGAAACCGGGCTTCCAAAGTGTGATCTTCTGGA	420
Db	411	TTAAGTGAATGATCTTAACTTTTAAAGGAAACCGGGCTTCCAAAGTGTGATCTTCTGGA	470
QY	421	CCTCCACACACTGGAAAAATACCTGGAAGCAATCAAAATATTTCTGGTCCATTGAAGA	480
Db	471	CCTCCACACACTGGAAAAATACCTGGAAGCAATCAAAATATTTCTGGTCCATTGAAGA	530
QY	481	ATAGAACTGGGTGGCGGGCCCACTGCGCCCAAAATACGAGGATGAAACCATGACATT	540
Db	531	ATAGAACTGGGTGGCGGGCCCACTGCGCCCAAAATACGAGGATGAAACCATGACATT	590
QY	541	TACCAGATCCCCATACACAGTGAACAGAGAGGGGAAAGCAACAACATGCGACAGTCCA	600
Db	591	TACCAGATCCCCATACACAGTGAACAGAGAGGGGAAAGCAACAACATGCGACAGTCCA	650
QY	601	GAAGGCGCTCTACGACAGGCTCAGTCCAGAGGATCTTCAGACTCCGATCGAATGAATAAT	660
Db	651	GAAGGCGCTCTACGACAGGCTCAGTCCAGAGGATCTTCAGACTCCGATCGAATGAATAAT	710
QY	661	GAGCACAACCTTCACATGTGTAGACAGAGAGAGGGGTCAAGGAACTCTTCCTCGGTG	720
Db	711	GAGCACAACCTTCACATGTGTAGACAGAGAGAGGGGTCAAGGAACTCTTCCTCGGTG	770
QY	721	GTAGCTTTCATCTGTAAAGCTTCACTTAAAGAGAGAAACTTCTTGTTGCTCAAGCAAG	780
Db	771	GTAGCTTTCATCTGTAAAGCTTCACTTAAAGAGAGAAACTTCTTGTTGCTCAAGCAAG	830
QY	781	GAGATGGGGCTCCCGATTTGGGAGCGTGCATCGCTCCATCATTTGCGTGTCAAGAC	840
Db	831	GAGATGGGGCTCCCGATTTGGGAGCGTGCATCGCTCCATCATTTGCGTGTCAAGAC	890

QY	841	GGGAAACATCACTCAATGAAAGAAAGAGATTTTGGCTGAAAGCTGTACTCTCCA	900
Db	891	GGGAAACATCACTCAATGAAAGAAAGAGATTTTGGCTGAAAGCTGTACTCTCCA	950
QY	901	GATCCTGGTGTGCTTTTGTGGTGTAAAGTCCAGATGAAAGCTTCAATCCATC	960
Db	951	GATCCTGGTGTGCTTTTGTGGTGTAAAGTCCAGATGAAAGCTTCAATCCATC	1010
QY	961	TGTGGAATGCCACTTTCAAGGTACCAAGAAAGCAGATGCCCCCTGGCTTGGTG	1020
Db	1011	TGTGGAATGCCACTTTCAAGGTACCAAGAAAGCAGATGCCCCCTGGCTTGGTG	1070
QY	1021	GTTCAATAGGCCCCCAGCATCTGTGTTTGGACAGCAGTACCAAGTGTAGAGAGG	1080
Db	1071	GTTCAATAGGCCCCCAGCATCTGTGTTTGGACAGCAGTACCAAGTGTAGAGAGG	1130
QY	1081	TTTGGGCTGTACACCCAGCAGCTTGGTCTCTGAATGAACTGTGCTCAGTTCAACA	1140
Db	1131	TTTGGGCTGTACACCCAGCAGCTTGGTCTCTGAATGAACTGTGCTCAGTTCAACA	1190
QY	1141	CGCAGCCCAAGATTCAAAACCCAGTCACTCATCCACCCGAGCATTTTCCCTGTCT	1200
Db	1191	CGCAGCCCAAGATTCAAAACCCAGTCACTCATCCACCCGAGCATTTTCCCTGTCT	1250
QY	1201	ACCAATTTCCGCTGTAAGAAGAGAGGCCCCCACTCACTGTGCCATGTTCAAGGTGAA	1260
Db	1251	ACCAATTTCCGCTGTAAGAAGAGAGGCCCCCACTCACTGTGCCATGTTCAAGGTGAA	1310
QY	1261	TGCCCTCTCAAGTACACAGTCCGTCCAGAGAGGAGTGGCAGAGGAGTCCATTATTCT	1320
Db	1311	TGCCCTCTCAAGTACACAGTCCGTCCAGAGAGGAGTGGCAGAGGAGTCCATTATTCT	1370
QY	1321	TGCAATCTTGAGAAATTCAATAGTGAAGCGCTGCAGCTTCCCACTTCACAGCAGCGTG	1380
Db	1371	TGCAATCTTGAGAAATTCAATAGTGAAGCGCTGCAGCTTCCCACTTCACAGCAGCGTG	1430
QY	1381	CAGAGCTCAGAGAGAGTGCAGAGACGGCCCAAGCCCAAGAGAAAGAAAGTCAGTAC	1440
Db	1431	CAGAGCTCAGAGAGAGTGCAGAGACGGCCCAAGCCCAAGAGAAAGAAAGTCAGTAC	1490
QY	1441	CCAGAAATCATTTCTCTTGAAACAGAGGTCTGTCATCCCATGAAAGATTCGAAATGTCA	1500
Db	1491	CCAGAAATCATTTCTCTTGAAACAGAGGTCTGTCATCCCATGAAAGATTCGAAATGTCA	1550
QY	1501	GCACACATTTGTCAACATAAGCCCGCAGACGTTCTGTCTACTGACTGTGTGAGGGCACA	1560
Db	1551	GCACACATTTGTCAACATAAGCCCGCAGACGTTCTGTCTACTGACTGTGTGAGGGCACA	1610
QY	1561	TTTGGGCAAGCTGTGCCGTCATTACGAGAACCAAGGTGTGACAGGTCCTGGGCAACCTGGCT	1620
Db	1611	TTTGGGCAAGCTGTGCCGTCATTACGAGAACCAAGGTGTGACAGGTCCTGGGCAACCTGGCT	1670
QY	1621	GCTGTGTTTGTGTCCACCTGACCCAGATCACACAGGGCTTGGCCAAATCTTGTGTG	1680
Db	1671	GCTGTGTTTGTGTCCACCTGACCCAGATCACACAGGGCTTGGCCAAATCTTGTGTG	1730
QY	1681	CAGAGAGAACCGGCTTGGCATCTTTGGGAAAGCCGCTTCAACCTTTGCTGTGTGTGCC	1740
Db	1731	CAGAGAGAACCGGCTTGGCATCTTTGGGAAAGCCGCTTCAACCTTTGCTGTGTGTGCC	1790
QY	1741	CCCAACACAGTCAAAAGCTGGCTCAGCAGTACCAACACAGTGCAGAGAGTCTGTGAC	1800
Db	1791	CCCAACACAGTCAAAAGCTGGCTCAGCAGTACCAACACAGTGCAGAGAGTCTGTGAC	1850
QY	1801	CACATCAGATATATCTCTGCCAAATAGCCTTACGAAAGGGGGCTGAGATCTCCAGTCTGCA	1860
Db	1851	CACATCAGATATATCTCTGCCAAATAGCCTTACGAAAGGGGGCTGAGATCTCCAGTCTGCA	1910
QY	1861	GTTGAAAGATTGATCAGTTCCGCTGTTGGCAATGTGATTTTGGAAAGATTTCAAGCTGT	1920
Db	1911	GTTGAAAGATTGATCAGTTCCGCTGTTGGCAATGTGATTTTGGAAAGATTTCAAGCTGT	1970
QY	1921	CTGTGTCGGCACTGCAGACATGCTTTTGGCTGTGTGCGCTGTGTGCACACTTGTGGCTGAAA	1980

Db	1971	CTGGTGGCGACATGCAAGCATGGGTTGGTCTGTGCGCTGGGTGACACACTCTGGCTGGAAA	20330
Qy	1981	GTGGTCTAATTCCTGGGGGACACCAATATCCCTGGGAGGCTCTGGTCCGGATATGGGGAAAGATGCC	20400
Db	2031	GTGGTCTAATTCCTGGGGGACACCAATATCCCTGGGAGGCTCTGGTCCGGATATGGGGAAAGATGCC	20900
Qy	2041	ACCCCTCTGATPACATGAAGGCCACCTCTGGAAGATGGTTTGGAAAGGAAGCAGTGGAAAG	21000
Db	2091	ACCCCTCTGATPACATGAAGGCCACCTCTGGAAGATGGTTTGGAAAGGAAGCAGTGGAAAG	21500
Qy	2101	ACACACAGCACAAACGTCCCAAGCCCATAGCGGTGGGGATGCGGATGAACCGGGAGTTCAAT	21600
Db	2151	ACACACAGCACAAACGTCCCAAGCCCATAGCGGTGGGGATGCGGATGAACCGGGAGTTCAAT	22100
Qy	2161	ATGTGTAAACACTTCACGCAAGCGGTATGCCAAGGTCCGCCCTTCACGCCCAACTTCAGC	22200
Db	2211	ATGTGTAAACACTTCACGCAAGCGGTATGCCAAGGTCCGCCCTTCACGCCCAACTTCAGC	22700
Qy	2221	GAGAAAGTGGGAGTTGGCTTTTGACCATAGAAAGTCTGCTTTTGAGACTTTTCCAAACATG	22800
Db	2271	GAGAAAGTGGGAGTTGGCTTTTGACCATAGAAAGTCTGCTTTTGAGACTTTTCCAAACATG	23300
Qy	2281	CCCAAGCTGATTCCTCCCACTGAAAGCCCTGTTTGTCTGGCCACATCCGAGAGATGGAAGAG	23400
Db	2331	CCCAAGCTGATTCCTCCCACTGAAAGCCCTGTTTGTCTGGCCACATCCGAGAGATGGAAGAG	23900
Qy	2341	CGCAGGAGAGAACGGGAGCTGCGGACAGTGGGGCGGGCCCTCTCGTCTCAGGGAGCTGGCA	24000
Db	2391	CGCAGGAGAGAACGGGAGCTGCGGACAGTGGGGCGGGCCCTCTCGTCTCAGGGAGCTGGCA	24500
Qy	2401	GGCGGCTCTGAGATGGGGAGCCTCAGCAGAAAGCGGGCCCAACAGAGAGCCACAGGCC	24600
Db	2451	GGCGGCTCTGAGAGATGGGGAGCCTCAGCAGAAAGCGGGCCCAACAGAGAGCCACAGGCC	25100
Qy	2461	AAGAAAGTCAAGAGCCCACTGA 2481	
Db	2511	AAGAAAGTCAAGAGCCCACTGA 2531	

```

RESULT 6
US-09-988-686-3
Sequence 3, Application US/09988686
Publication No. US20030120052A1
GENERAL INFORMATION:
APPLICANT: Tavtigian, Sean V.
APPLICANT: Teng, David H.F.
APPLICANT: Simard, Jacques M.
APPLICANT: Rommens, Johanna M.
TITLE OF INVENTION: Myriad Genetics, Inc.
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
FILE REFERENCE: 2318-258
CURRENT APPLICATION NUMBER: US/09/988,686
CURRENT FILING DATE: 2001-11-20
PRIOR APPLICATION NUMBER: 09/564,805
PRIOR FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: US 60/107,468
PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/434,382
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 3
LENGTH: 2958
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (51)..(2531)
OTHER INFORMATION: coding sequence as in SEQ ID NO.1
US-09-988-686-3

```











QY 361 TTAAGTGAATGATTTCTTAAAGGAAACGGGGCTTCCAAAGTGTATCTTCTGGA 420  
Db 361 TTAAGTGAATGATTTCTTAAAGGAAACGGGGCTTCCAAAGTGTATCTTCTGGA 420  
QY 421 CCTCCACAACTGGAAAAATACCTGGAAGCAATCAAAATATTTTGTGCTCAATGAAAGGA 480  
Db 421 CCTCCACAACTGGAAAAATACCTGGAAGCAATCAAAATATTTTGTGCTCAATGAAAGGA 480  
QY 481 ATAGAACTGGGTGGGGGCCCCCTGCCCCCAAGATACAGAGATGAAACCATGACAGTT 540  
Db 481 ATAGAACTGGGTGGGGGCCCCCTGCCCCCAAGATACAGAGATGAAACCATGACAGTT 540  
QY 541 TACCAAGATCCCAATACACAGTGAACAGAGAGGGGAAAGCAACCAATGGCAGAGTCCA 600  
Db 541 TACCAAGATCCCAATACACAGTGAACAGAGAGGGGAAAGCAACCAATGGCAGAGTCCA 600  
QY 601 GAAAGGCTCTCAGACAGGCTCAATGTCAGAGAGATCTTCAAGTCCGAGTCCGAATGAAAT 660  
Db 601 GAAAGGCTCTCAGACAGGCTCAATGTCAGAGAGATCTTCAAGTCCGAGTCCGAATGAAAT 660  
QY 661 GAGCCACACCTTCCACATGTTAGCCAGAGAGAGGGGTCAAGGACTCTTCCCTGATC 720  
Db 661 GAGCCACACCTTCCACATGTTAGCCAGAGAGAGGGGTCAAGGACTCTTCCCTGATC 720  
QY 721 GTAGCTTTCATCTGTAAGCTTCACTTAAAGAGAGAACTTCTTGTGCTCAAGCAAG 780  
Db 721 GTAGCTTTCATCTGTAAGCTTCACTTAAAGAGAGAACTTCTTGTGCTCAAGCAAG 780  
QY 781 GAGATGGGCTCCCAAGTTGGGACAGCTGCTCATGCTCCATATTTGCTGCTCAAGAC 840  
Db 781 GAGATGGGCTCCCAAGTTGGGACAGCTGCTCATGCTCCATATTTGCTGCTCAAGAC 840  
QY 841 GGGAAAGCATCACTCATGAAGAGAGAGATTTTGGCTGAAGAGCTGTACTCTCCA 900  
Db 841 GGGAAAGCATCACTCATGAAGAGAGAGATTTTGGCTGAAGAGCTGTACTCTCCA 900  
QY 901 GATCTGTGTGCTTTTGT 960  
Db 901 GATCTGTGTGCTTTTGT 960  
QY 961 TGTGAAGATGCACTTTCAAGAGTACCAAGAAAGGAGATGCCCCGTGTGTGTGTGTGT 1020  
Db 961 TGTGAAGATGCACTTTCAAGAGTACCAAGAAAGGAGATGCCCCGTGTGTGTGTGTGT 1020  
QY 1021 GTTCAATGAGCCCGACAGATCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1080  
Db 1021 GTTCAATGAGCCCGACAGATCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1080  
QY 1081 TTTGGGCTGTGACCCAGCACTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1140  
Db 1081 TTTGGGCTGTGACCCAGCACTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1140  
QY 1141 CGAGCCACAAAGATTCAAAACCCAGTCAACTCATCCACCCGAGCATTTTCCCTGTCTC 1200  
Db 1141 CGAGCCACAAAGATTCAAAACCCAGTCAACTCATCCACCCGAGCATTTTCCCTGTCTC 1200  
QY 1201 ACCGATTTCCGCTGTGAAGAGAGAGGGGCCCCACCTCATGTCAGTGTGCTTCAAGGTGAA 1260  
Db 1201 ACCGATTTCCGCTGTGAAGAGAGAGGGGCCCCACCTCATGTCAGTGTGCTTCAAGGTGAA 1260  
QY 1261 TGCTCTCTCAAGTACAGCTCCGTCCAGAGAGAGTGGCAGAGAGATGCTTATTAAT 1320  
Db 1261 TGCTCTCTCAAGTACAGCTCCGTCCAGAGAGAGTGGCAGAGAGATGCTTATTAAT 1320  
QY 1321 TGCATATCTGAAGAAATCATATGTTAGGCGCTGCAAGCTTCCCACTTCCACAGAGTGTG 1380  
Db 1321 TGCATATCTGAAGAAATCATATGTTAGGCGCTGCAAGCTTCCCACTTCCACAGAGTGTG 1380  
QY 1381 CAGAGATACAGAGAGAGTGGCAGAGAGAGGGCCAGCCAGCCAGCAGAGAGAGAAAGTCAATAC 1440  
Db 1381 CAGAGATACAGAGAGAGTGGCAGAGAGAGGGCCAGCCAGCCAGCAGAGAGAGAAAGTCAATAC 1440  
QY 1441 CCAAGAAATCATCTTCTTGAAGAGAGGTCTGCAATCCCGATGAAGATTCGAATGTCAAGT 1500

Db 1441 CCAAGAAATCATCTTCTTGAAGAGAGGTCTGCAATCCCGATGAAGATTCGAATGTCAAGT 1500  
QY 1501 GCCACACTTGTCAACATTAAGCCCGGACACAGCTCTGTGTAATGAGTGTGAGGACACA 1560  
Db 1501 GCCACACTTGTCAACATTAAGCCCGGACACAGCTCTGTGTAATGAGTGTGAGGACACA 1560  
QY 1561 TTTGGGCACTGTGCTGCTCAATTAAGAGACAGGTGAGCAGGCTCTTGGGCACTTGGCT 1620  
Db 1561 TTTGGGCACTGTGCTGCTCAATTAAGAGACAGGTGAGCAGGCTCTTGGGCACTTGGCT 1620  
QY 1621 GCTGTGTTTGTGCTTCCAGCTGACAGATACACACAGGGCTTGGCAATGATCTGCTG 1680  
Db 1621 GCTGTGTTTGTGCTTCCAGCTGACAGATACACACAGGGCTTGGCAATGATCTGCTG 1680  
QY 1681 CAGAGAGAAAGGCGCTTGGCATCTTGGGAAAGCCGCTTCACTTGTGCTGTGCTGCTG 1740  
Db 1681 CAGAGAGAAAGGCGCTTGGCATCTTGGGAAAGCCGCTTCACTTGTGCTGTGCTGCTG 1740  
QY 1741 CCCAACAGCTCAAGGCTGCTCCAGCAGTACCAACCAAGTCCAGAGAGTCTGCTGAC 1800  
Db 1741 CCCAACAGCTCAAGGCTGCTCCAGCAGTACCAACCAAGTCCAGAGAGTCTGCTGAC 1800  
QY 1801 CACATCAGTATGATCTGCTCAATGCTTCCAGAAAGGGCTGAGATCTCAGTCTGCA 1860  
Db 1801 CACATCAGTATGATCTGCTCAATGCTTCCAGAAAGGGCTGAGATCTCAGTCTGCA 1860  
QY 1861 GTGGAAGATTTGATTCAGATTCGCTGTGCGAACATGTGATTTGGAAGATTTCAAGCTGT 1920  
Db 1861 GTGGAAGATTTGATTCAGATTCGCTGTGCGAACATGTGATTTGGAAGATTTCAAGCTGT 1920  
QY 1921 CTGGTGGGCACTGCAAGCATGCGTTTGGCTGTGCTGTGCTGTGCACTCTGCTGGA 1980  
Db 1921 CTGGTGGGCACTGCAAGCATGCGTTTGGCTGTGCTGTGCTGTGCACTCTGCTGGA 1980  
QY 1981 GTGTCTATTCGGGGACACATATGCTTGTGAGGCTCTGTGCTGGAATGGGAAAGATGCC 2040  
Db 1981 GTGTCTATTCGGGGACACATATGCTTGTGAGGCTCTGTGCTGGAATGGGAAAGATGCC 2040  
QY 2041 ACCCTCTGATATCATGAAAGGCACTTGAAGATGTTTGAAGAGAGAGTGTGAAGAG 2100  
Db 2041 ACCCTCTGATATCATGAAAGGCACTTGAAGATGTTTGAAGAGAGAGTGTGAAGAG 2100  
QY 2101 ACAACAGCAACAGTCCCAAGCCATCAGCGTGGGAGTGGAGTGAACGGGAGTTCAAT 2160  
Db 2101 ACAACAGCAACAGTCCCAAGCCATCAGCGTGGGAGTGGAGTGAACGGGAGTTCAAT 2160  
QY 2161 ATGTGAACCACTTCAAGCGCTATGCAAGGTCCCCCTTTCAGCCCCCACTTCAAC 2220  
Db 2161 ATGTGAACCACTTCAAGCGCTATGCAAGGTCCCCCTTTCAGCCCCCACTTCAAC 2220  
QY 2221 GAGAAAGTGGAGTGTGCTTGAACACATGAAGGTGCTTGTGAAGATTTCCAAATG 2280  
Db 2221 GAGAAAGTGGAGTGTGCTTGAACACATGAAGGTGCTTGTGAAGATTTCCAAATG 2280  
QY 2281 CCCAAGCTGATTCCTCCCATGAAAGCCCTGTTTGTGCGACATCGAGAGATGAGAGAG 2340  
Db 2281 CCCAAGCTGATTCCTCCCATGAAAGCCCTGTTTGTGCGACATCGAGAGATGAGAGAG 2340  
QY 2341 CGCAGGAGAGAGGGGAGCTGCGCAGGTGCGGGCGGCTCTCTGTCCAGAGAGCTGGCA 2400  
Db 2341 CGCAGGAGAGAGGGGAGCTGCGCAGGTGCGGGCGGCTCTCTGTCCAGAGAGCTGGCA 2400  
QY 2401 GGGGCTGTGAGAGTGGGGAGGCTCAGCAGAGAGGGGCCACACAGAGAGCCACAGGCC 2460  
Db 2401 GGGGCTGTGAGAGTGGGGAGGCTCAGCAGAGAGGGGCCACACAGAGAGCCACAGGCC 2460  
QY 2461 AAGAAGTCAAGGCCAGTGA 2481  
Db 2461 AAGAAGTCAAGGCCAGTGA 2481

RESULT 9



QY 1681 CAGAGAGACGCGCTTGGCATCTTTGGGAAAGCCGCTTCACTCTTGTGTTGCTTCC 1740  
DB 1681 CAGAGAGAGACGCTTGGCATCTTTGGGAAAGCCGCTTCACTCTTGTGTTGCTTCC 1740  
QY 1741 CCCAACCAAGCTTCAAGCTTGGCTCCAGAGTACCAACAACCAAGCTTCAAGCTTCC 1800  
DB 1741 CCCAACCAAGCTTCAAGCTTGGCTCCAGAGTACCAACAACCAAGCTTCAAGCTTCC 1800  
QY 1801 CACATCATGATGATCTCTGCAAAATGCTTCAAGAGGGGCTGATCTCCAGTCTGCA 1860  
DB 1801 CACATCATGATGATCTCTGCAAAATGCTTCAAGAGGGGCTGATCTCCAGTCTGCA 1860  
QY 1861 GTGAGAAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1920  
DB 1861 GTGAGAAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1920  
QY 1921 CTGCTGCGGCTGCTGCAAGCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2040  
DB 1921 CTGCTGCGGCTGCTGCAAGCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2040  
QY 1981 GTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2040  
DB 1981 GTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2040  
QY 2041 ACCCTCTGATATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2100  
DB 2041 ACCCTCTGATATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2100  
QY 2101 AC 2160  
DB 2101 AC 2160  
QY 2161 ATGCTGAAACCACTTCAAGCAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2220  
DB 2161 ATGCTGAAACCACTTCAAGCAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2220  
QY 2221 GAGAAAGTGGAGTGGCTTGGACACATGAAAGTCTGCTTGGAGATTTTCAACAATG 2280  
DB 2221 GAGAAAGTGGAGTGGCTTGGACACATGAAAGTCTGCTTGGAGATTTTCAACAATG 2280  
QY 2281 CCCAAGCTGATCTTCCCACTGAAAGCTTGGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2340  
DB 2281 CCCAAGCTGATCTTCCCACTGAAAGCTTGGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2340  
QY 2341 CGCAGGAGAGAGCGGAGCTGCGAGGAGTGGAGGAGGCTGCTGCTGCTGCTGCTGCTG 2400  
DB 2341 CGCAGGAGAGAGCGGAGCTGCGAGGAGTGGAGGAGGCTGCTGCTGCTGCTGCTGCTG 2400  
QY 2401 GCGGCGCTGAGAGATGAGGAGCTTCAAGAGAGCGGAGGCTTCAAGAGAGCTGCA 2460  
DB 2401 GCGGCGCTGAGAGATGAGGAGCTTCAAGAGAGCGGAGGCTTCAAGAGAGCTGCA 2460  
QY 2461 AAGAAAGTCAAGAGCTTCAAGAGCTTCAAGAGCTTCAAGAGCTTCAAGAGCTTCA 2481  
DB 2461 AAGAAAGTCAAGAGCTTCAAGAGCTTCAAGAGCTTCAAGAGCTTCAAGAGCTTCA 2481

RESULT 10  
US-09-988-626-225  
; Sequence 225, Application US/09988626  
; Publication No. US20030044959A1  
; GENERAL INFORMATION:  
; APPLICANT: Tavtigian, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility  
; FILE REFERENCE: 2318-258  
; CURRENT APPLICATION NUMBER: US/09/988,626  
; CURRENT FILING DATE: 2001-11-20

QY 1 PRIOR APPLICATION NUMBER: 09/564,805  
DB 1 PRIOR FILING DATE: 2000-05-05  
QY 1 PRIOR APPLICATION NUMBER: US 60/107,468  
DB 1 PRIOR FILING DATE: 1998-11-06  
QY 1 PRIOR APPLICATION NUMBER: 09/434,382  
DB 1 PRIOR FILING DATE: 1999-11-05  
QY 1 NUMBER OF SEQ ID NOS: 240  
DB 1 SOFTWARE: Patent Ver. 2.0  
QY 1 SEQ ID NO 225  
DB 1 LENGTH: 2892  
QY 1 TYPE: DNA  
DB 1 ORGANISM: Gorilla gorilla  
QY 1 NAME/KEY: CDS  
DB 1 LOCATION: (1) .. (2478)  
QY 1 US-09-988-626-225

Query Match 98.5%; Score 2442.6; DB 11; Length 2892;  
Best Local Similarity 99.0%; Pred. No. 0;  
Matches 2457; Conservative 0; Mismatches 24; Indels 0; Gaps 0;

QY 1 ATGTGGCGCTTGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 60  
DB 1 ATGTGGCGCTTGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 60  
QY 61 ACCATATGCAAGGACCCG 120  
DB 61 ACCATATGCAAGGACCCG 120  
QY 121 CGCAGCGGAGAGAGAGCGCGGACCGTGGGGGTGCTCGGGGGGCGGCGGCGGCGGCGGCG 180  
DB 121 CGCAGCGGAGAGAGAGCGCGGACCGTGGGGGTGCTCGGGGGGCGGCGGCGGCGGCGGCG 180  
QY 181 CAGGTGTGCGCAGCGGCTGACCGGAGCTCGGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 240  
DB 181 CAGGTGTGCGCAGCGGCTGACCGGAGCTCGGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 240  
QY 241 AACGGTATCTTCTTCAACTGTGAGAGAGCGCTTCAAGATCATGACGAGACCAAGTTA 300  
DB 241 AACGGTATCTTCTTCAACTGTGAGAGAGCGCTTCAAGATCATGACGAGACCAAGTTA 300  
QY 301 AAGGTCTGCGCTGCGCAACATATTCCTGACACAGAAATGCACTGCTTAATGTTGGGGGC 360  
DB 301 AAGGTCTGCGCTGCGCAACATATTCCTGACACAGAAATGCACTGCTTAATGTTGGGGGC 360  
QY 361 TTAAGTGAATGATCTTCACTTTAAAGAAACCGGCTTCAAGATGATGATCTTCTGCA 420  
DB 361 TTAAGTGAATGATCTTCACTTTAAAGAAACCGGCTTCAAGATGATGATCTTCTGCA 420  
QY 421 CTTCCACACTGGAATAATCTTGAAGCAATCAAAATATTTTCTGCTCAATTGAAAGGA 480  
DB 421 CTTCCACACTGGAATAATCTTGAAGCAATCAAAATATTTTCTGCTCAATTGAAAGGA 480  
QY 481 ATTAAGTGTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 540  
DB 481 ATTAAGTGTGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 540  
QY 541 TACCAAGATCCCATATACAGATGAAACAGAGAGGGGAAAGCAACCATGAGAGTCA 600  
DB 541 TACCAAGATCCCATATACAGATGAAACAGAGAGGGGAAAGCAACCATGAGAGTCA 600  
QY 601 GAAAGGCTCTCAGCAGGCTCAGTCAAGAGGATCTTCAAGCTCGAGTCAATGAAAT 660  
DB 601 GAAAGGCTCTCAGCAGGCTCAGTCAAGAGGATCTTCAAGCTCGAGTCAATGAAAT 660  
QY 661 GAGCACAACCTTCAACATGATGTTAGCCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 720  
DB 661 GAGCACAACCTTCAACATGATGTTAGCCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 720  
QY 721 GTACTTCAATCTGTAAGCTTCACTTAAGAGAGAACTTCTGCTGCTCAAGCAAG 780  
DB 721 GTACTTCAATCTGTAAGCTTCACTTAAGAGAGAACTTCTGCTGCTCAAGCAAG 780





QY	2101	ACACACAGCA CAAGTCCCAAGCCATCAGCGTGGGGATGCGGATGAACGCGAGTCACTT	2160
Db	2101	ACACACAGCA CAAGTCCCAAGCCATCAGCGTGGGGATGCGGATGAACGCGAGTCACTT	2160
QY	2161	ATGCTGAACCACTTCAGCCAGCGCTATCCAAAGTCCCTCTTCAGCCCACTTCAGC	2220
Db	2161	ATGCTGAACCACTTCAGCCAGCGCTATCCAAAGTCCCTCTTCAGCCCACTTCAGC	2220
QY	2221	GAGAAAGTGGGAGTTGCTTTGACCA CATGAAGTCTGCTTTGAGACTTTCCAAATG	2280
Db	2221	GAGAAAGTGGGAGTTGCTTTGACCA CATGAAGTCTGCTTTGAGACTTTCCAAATG	2280
QY	2281	CCCAAGCTGATTTCCCACTGAAAGCCCTGTTGCTGGCGCATCTGAGAGATGAGAG	2340
Db	2281	CCCAAGCTGATTTCCCACTGAAAGCCCTGTTGCTGGCGCATCTGAGAGATGAGAG	2340
QY	2341	CGCAGGAGAAAGCGGAGCTCGGCGAGTGGGCGGCGCTTCGTCCAGGAGAGCTGGCA	2400
Db	2341	CGCAGGAGAAAGCGGAGCTCGGCGAGTGGGCGGCGCTTCGTCCAGGAGAGCTGGCA	2400
QY	2401	GGCGGCTCGAGAGATGGGAGCTTCAGCAGAAAGCGGCGCCACA CAGAGAGCCACAGGCC	2460
Db	2401	GGCGGCTCGAGAGATGGGAGCTTCAGCAGAAAGCGGCGCCACA CAGAGAGCCACAGGCC	2460
QY	2461	AAGAAAGTCAGAGCCCACTGA	2481
Db	2461	AAGAAAGTCAGAGCCCACTGA	2481

RESULT 12  
US-09-988

; Sequence 225, Application US/09988686  
; Publication No. US20030120052A1

```

GENERAL INFORMATION:
APPLICANT: Tavtigian, Sean V.
APPLICANT: Teng, David H.F.
APPLICANT: Simard, Jacques
APPLICANT: Rommens, Johanna M.
APPLICANT: Myriad Genetics, Inc.
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
TITLE OR INVENTION: Gene and a Paralog and Orthologous Genes
FILE REFERENCE: 2318-238
CURRENT APPLICATION NUMBER: US/09/988,686
CURRENT FILING DATE: 2001-11-20
PRIOR APPLICATION NUMBER: 09/564,805
PRIOR FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: US 60/107,468
PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/434,382
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 225
LENGTH: 2892
TYPE: DNA
ORGANISM: Gorilla gorilla
FEATURE:
NAME/KEY: CDS
LOCATION: (1)..(2478)
US-09-988-686-225

```

Query Match	98.5%	Score 2442.6	DB 11	Length 2892
Best Local Similarly	99.0%	Pred. No. 0		
Matches 2457	Conservative	0	Mismatches 24	Indels 0
				Gaps 0

QY	Db	QY	Db
1	1	61	61
ATGTGGGCGCTTTGCTGCCTGCTGCTGCGGCTCCGCGCGCAACCATGTCGACGGAGCG	ATGTGGGCGCTTTGCTGCCTGCTGCTGCGGCTCCGCGCGCAACCATGTCGACGGAGCG	ACCATATCGCAGGCAACCCGCGCGCGCGCGCGCGCAAGGACCCGCTGCGCGCACCTG	ACCATATCGCAGGCAACCCGCGCGCGCGCGCGCGCAAGGACCCGCTGCGCGCACCTG

QY	121	CGCAGCGGAGAGAAAGCGCGGACCGTCCGGGGGTCTCCGGCGGGCCCAAAACCGGTACCTG	180
Db	121	CGCAGCGGAGAGAAAGCGCGGACCGTCCGGGGGTCTCCGGGGCCCAAAACCGGTACCTG	180
QY	181	CAGGTGTGGGAGGCGGGTAGGCGGGGACTCGGGGCGCGCGCTCTACGTCTTCTCGAGTTT	240
Db	181	CAGGTGTGGGAGGCGGGTAGGCGGGGACTCGGGGCGCGCGCTCTACGTCTTCTCGAGTTT	240
QY	241	AACCGGTATCTTTCACCTGTGAGAAAGCGTTTCAGAGACTATGACAGAGACACAAGTTA	300
Db	241	AACCGGTATCTTTCACCTGTGAGAAAGCGTTTCAGAGACTATGACAGAGACACAAGTTA	300
QY	301	AAGGTGTGCGCTTCGACACACATTTTCTCTGACACAGAAATGCACTGTGTCTAATGTTGGGGGC	360
Db	301	AAGGTGTGTGCGCTTCGACACACATTTTCTCTGACACAGAAATGCACTGTGTCTAATGTTGGGGGC	360
QY	361	TTAAGTGGAAATGATTCTTTACTTTAAAGAAAACGGGGCTCCAAAGTGTATCTTTTGGG	420
Db	361	TTAAGTGGAAATGATTCTTTACTTTAAAGAAAACGGGGCTCCAAAGTGTATCTTTTGGG	420
QY	421	CTTCCACAACCTGAAAAATACTTCGAAGCAATCAAAATATTTTCTGTGCTATTGAAAGG	480
Db	421	CTTCCACAACCTGAAAAATACTTCGAAGCAATCAAAATATTTTCTGTGCTATTGAAAGG	480
QY	481	ATGAACTGTGCTGTGCGGCCCACTGTGCCAGAAATTCAGAGATGAATCCATGACATT	540
Db	481	ATGAACTGTGCTGTGCGGCCCACTGTGCCAGAAATTCAGAGATGAATCCATGACATT	540
QY	541	TACCAAGTATCCCAATACACAGTGAACAGAGAGGGGAAAGCAACCAATGCGACAGTCCA	600
Db	541	TACCAAGTATCCCAATACACAGTGAACAGAGAGGGGAAAGCAACCAATGCGACAGTCCA	600
QY	601	GAAAGGCGCTCTCAGCAGAGGCTCAGTCCAGAGCGATCTTCAGACTCCGAGTCGAATGAATAAT	660
Db	601	GAAAGGCGCTCTCAGCAGAGGCTCAGTCCAGAGCGATCTTCAGACTCCGAGTCGAATGAATAAT	660
QY	661	GAGCCACACCTTCACATGTTGTTAGCCAGAGAAAGAGGGGTCAAGGACTCTTCCCTGGTC	720
Db	661	GAGCCACACCTTCACATGTTGTTAGCCAGAGAAAGAGGGGTCAAGGACTCTTCCCTGGTC	720
QY	721	GTAGCTTTTCATCTGTAAAGCTTCACTTAAAGAGAGAAACTTTTGGTGTCTAAAGCAAG	780
Db	721	GTAGCTTTTCATCTGTAAAGCTTCACTTAAAGAGAGAAACTTTTGGTGTCTAAAGCAAG	780
QY	781	GAGATGGGCGCTCCAGTTGGGAGACGTCGCATGCTCCATCTATGTGCGTGTCAAGAGC	840
Db	781	GAGATGGGCGCTCCAGTTGGGAGACGTCGCATGCTCCATCTATGTGCGTGTCAAGAGC	840
QY	841	GCGAAAAGCATCACTCATGAAAGAAAGAGATTTTGGCTGAAAGACTGTGTACTCTTCCA	900
Db	841	GCGAAAAGCATCACTCATGAAAGAAAGAGATTTTGGCTGAAAGACTGTGTACTCTTCCA	900
QY	901	GATCTGTGTGTCTTTTGTGTGTGTGAATGTTCAGATGAAGCTTCAATCAACCATC	960
Db	901	GATCTGTGTGTCTTTTGTGTGTGTGAATGTTCAGATGAAGCTTCAATCAACCATC	960
QY	961	TGTGAGAAATGCACCTTTCAGAGGTACCAAGAAAAGGCAAGTGTGCCCCGTGGCTTGGTG	1020
Db	961	TGTGAGAAATGCACCTTTCAGAGGTACCAAGAAAAGGCAAGTGTGCCCCGTGGCTTGGTG	1020
QY	1021	GTTTCAATGTGCCCCAGAAATCTGTGCTTGTGGAACGACAGTACAGCAGTGTGATGGAAGG	1080
Db	1021	GTTTCAATGTGCCCCAGAAATCTGTGCTTGTGGAACGACAGTACAGCAGTGTGATGGAAGG	1080
QY	1081	TTTGTGGCTTACACCCAGCACTTGTGTCTGAATGAGAACTGTGTCTCAGTTTCAAACTTT	1140
Db	1081	TTTGTGGCTTACACCCAGCACTTGTGTCTGAATGAGAACTGTGTCTCAGTTTCAAACTTT	1140
QY	1141	CGCAGCCACAAGATTTCAAACCCAGCTCAACCTTCAACCCGGGACATCTTCCCGCTGCTC	1200
Db	1141	CGCAGCCACAAGATTTCAAACCCAGCTCAACCTTCAACCCGGGACATCTTCCCGCTGCTC	1200

QY	1081	TTTGGGGCTGACACCCGAGCACTTGCTCTGAAATAGAACTGTGCTCAGTTCACAACTT	1140
Db	1081	TTTGGGGCTGACACCCGAGCACTTGCTCTGAAATAGAACTGTGCTCAGTTCACAACTT	1140
QY	1081	TTTGGGGCTGACACCCGAGCACTTGCTCTGAAATAGAACTGTGCTCAGTTCACAACTT	1140
Db	1081	TTTGGGGCTGACACCCGAGCACTTGCTCTGAAATAGAACTGTGCTCAGTTCACAACTT	1140
QY	1141	CGAGGCCAAGATTCAAACCCAGCTAACTATCAACCCGGACATCTTCCCGCTCTC	1200
Db	1141	CGAGGCCAAGATTCAAACCCAGCTAACTATCAACCCGGACATCTTCCCGCTCTC	1200



Qy	1201	ACCAAGTTTCGCTGTAAAGAAAGAGAGGCCCCACCTCTCAGTGTGCCATGTGTTCAAGGCTGAA	1260
Dp	1201	ACCAAGTTTCGCTGTAAAGAAAGAGAGGCCCCACCTCTCAGTGTGCCATGTGTTCAAGGCTGAA	1260
Qy	1261	TGCTCTCTCAAGTACCAAGCTCCGTCACAGAGGAGTGGAGAGAGGATGTCATTAATTA	1320
Dp	1261	TGCTCTCTCAAGTACCAAGCTCCGTCACAGAGGAGATGTCATTAATTA	1320
Qy	1321	TGCAATCCTGAGGAAATTCATAGTTGAGGCGCTGCAAGCTTCCAACTTCCAGCAGAGCTG	1380
Dp	1321	TGCAATCCTGAGGAAATTCATAGTTGAGGCGCTGCAAGCTTCCAACTTCCAGCAGAGCTG	1380
Qy	1381	CAGAGATACAGAGAGAGTGGCCGAGAGAGGCTCCAGCCCGCAGCAGAGAAAGAAGTCA	1440
Dp	1381	CAGAGATACAGAGAGAGTGGCCGAGAGAGTGGCCAGCCCGCAGCAGAGAAAGAAGTCA	1440
Qy	1441	CCAGAATATCATCTTCCTTGGAAACAGAGGCTGCGCATCCCGATGAAAGATTCCGAAATGT	1500
Dp	1441	CCAGAATATCATCTTCCTTGGAAACAGAGGCTGCGCATCCCGATGAAAGATTCCGAAATGT	1500
Qy	1501	GCCACACTTGTCAACATTAAGCCCCGAGACAGCTCTCTGTACTGCACTGTGTGTGAGGGACA	1560
Dp	1501	GCCACACTTGTCAACATTAAGCCCCGAGACAGCTCTCTGTACTGCACTGTGTGTGAGGGACG	1560
Qy	1561	TTTGGGCGAGCTGTGCGCTCATTTACGAGAACAGGTGACAGAGGCTCTGGGACACCTTG	1620
Dp	1561	TTTGGGCGAGCTGTGCGCTCATTTACGAGAACAGGTGACAGAGGCTCTGGGACACCTTG	1620
Qy	1621	GCTGTGTTGTGTCCCACTGACAGCGAGATCAGCAACGGGCTTGGCCAGATCTTGCTG	1680
Dp	1621	GCTGTGTGTGTCCCACTGACAGCGAGATCAGCAACGGGCTTGTCTTAATATTTCTG	1680
Qy	1681	CAGAGAGAACCGGCTTGGCATCTTTTGGAAAGCGCTTCAACCTTGTCTGTGTGCTG	1740
Dp	1681	CAGAGAGAACAGCTTGGCATCTTTTGGAAAGCGCTTCAACCTTGTGTGTGTGCTG	1740
Qy	1741	CCCAACCAAGCTTAAAGCTGTGCTCAGCAGTACCAACAACAGTGCAGAGAGTCTTGAC	1800
Dp	1741	CCCAACCAAGCTTAAAGCTGTGCTCAGCAGTACCAACAACAGTGCAGAGAGTCTTGAC	1800
Qy	1801	CACATCATTAATGATTCCTGCGCAATATGCTTACGGAAGGGGCTGAGATCTCCAGTCTGCA	1860
Dp	1801	CACATCATTAATGATTCCTGCGCAATATGCTTACGGAAGGGGCTGAGATCTCCAGTCTGCA	1860
Qy	1861	GTGGAAGATTTGATCAGTTCCGCTGTGGCAACATGTGATTTTGGAAAGATTTCAACCTGT	1920
Dp	1861	GTGGAAGATTTGATCAGTTCCGCTGTGGCAACATGTGATTTTGGAAAGATTTCAACCTGT	1920
Qy	1921	CTGTGTGCGGACCTGCAGCATGTGCTGTGTGCGCTGTGTGCACACTTGTGCTGGAAA	1980
Dp	1921	CTGTGTGCGGACCTGCAGCATGTGCTGTGTGCGCTGTGTGCACACTTGTGCTGGAAA	1980
Qy	1981	GTGTGTCTATTCGCGGGGACACCATGTGCTGTGCGCGAGGCTCTGTGTCGCGGAAAGA	2040
Dp	1981	GTGTGTCTATTCGCGGGGACACCATGTGCTGTGCGCGAGGCTCTGTGTCGCGGAAAGA	2040
Qy	2041	ACCTCTCTGATCATGAAAGCCACCTGTGAAAGATGTGTTTGGAAAGGAAAGCATGTG	2100
Dp	2041	ACCTCTCTGATCATGAAAGCCACCTGTGAAAGATGTGTTTGGAAAGGAAAGCATGTG	2100
Qy	2101	ACACAACAGCAACAGTCCCAAGCCATCAGCTGTGGGAGATGCGGATGAACGCGAGTTCA	2160
Dp	2101	ACACAACAGCAACAGTCCCAAGCCATCAGCTGTGGGAGATGCGGATGAACGCGAGTTCA	2160
Qy	2161	ATGCTGAACCACTTCAAGCCAGGCGTATGTGCAAGGTCCTCTTCAAGCCCAACTTCAAC	2220
Dp	2161	ATGCTGAACCACTTCAAGCCAGGCGTATGTGCAAGGTCCTCTTCAAGCCCAACTTCAAC	2220
Qy	2221	GAGAAAGTGGAGTGTGCTTTCACACATGAAGGTCTGTTTGGAGACCTTTCACAAATG	2280
Dp	2221	GAGAAAGTGGAGTGTGCTTTCACACATGAAGGTCTGTTTGGAGACCTTTCACAAATG	2280
Qy	2281	CCCAAGCTGATTTCCCACTGAAGCCCTGTTTGTGTGCGCATCAGAGAGATGAGAG	2340

Accession	Sequence	Length
Db	2281 CCCAAGCTGATTCCCCACATGGAAAGCCCTGTGTTGCCGGCAGATCGAGAGATGGAAGAG	2340
Qy	2341 CGCAGGAGAAAGCGGGAGCTGCGGCAGATGCGGGGGCCCTCGTGTCAAGAGACTGGCA	2400
Db	2341 CGCAGGAGAAAGCGGGAGCTGCGGCAGATGCGGGGGCCCTCGTGTCCGGGAACTGGCA	2400
Qy	2401 GCGCGCTTGAGAGATGGGAGCCTCAGCAGAAAGCGGCCCAACAGAGAGCCACAGGCC	2460
Db	2401 GCGCGCTTGAGAGATGGGAGCCTCAGCAGAAAGCGGCCCAACAGAGAGCCACAGGCC	2460
Qy	2461 AAGAAAGTCAGAGCCCACTGA	2481
Db	2461 AAGAAAGTCAGAGCCCACTGA	2481

```

RESULT 13
US-10-108-260A-282
; Sequence 282, Application US/10108260A
; Publication NO. US20040005560A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. US20040005560A1 full length cDNA
; FILE REFERENCE: H1-A0106
; CURRENT APPLICATION NUMBER: US/10/108,260A
; CURRENT FILING DATE: 2002-03-27
; NUMBER OF SEQ ID NOS: 5458
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 282
; LENGTH: 2907
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-108-260A-282

```

[illegible]





FILE REFERENCE: 2318-258  
 CURRENT APPLICATION NUMBER: US/09/988,626  
 CURRENT FILING DATE: 2001-11-20  
 PRIOR APPLICATION NUMBER: 09/564,805  
 PRIOR FILING DATE: 2000-05-05  
 PRIOR APPLICATION NUMBER: US 60/107,468  
 PRIOR FILING DATE: 1998-11-06  
 PRIOR APPLICATION NUMBER: 09/434,382  
 PRIOR FILING DATE: 1999-11-05  
 NUMBER OF SEQ ID NOS: 240  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO: 221  
 LENGTH: 2470  
 TYPE: DNA  
 ORGANISM: Mus musculus  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: (1)..(2466)  
 US-09-988-626-221

Query Match 66.3%; Score 1645.6; DB 11; Length 2470;

Best Local Similarity 81.6%; Pred. No. 0; Mismatches 417; Indels 24; Gaps 4;

Matches 1958; Conservative 0; Mismatches 417; Indels 24; Gaps 4;

58 CCACCATATCGAGGACCCGCGCGGAGCGCGCGCAAGACCCTGCGGAC 117  
 40 CCGACCATATCGAGGAGTTGCGCTCGTGGCGCGGCGCAACCAAGACCTGGAC 99  
 118 CTGCGCAGCGGAGAGGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAG 177  
 100 CTGCGCAGCGGAGAGGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAG 153  
 178 CTGCGCAGCGGAGAGGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAG 237  
 154 CTGCGCAGCGGAGAGGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAG 213  
 238 TTCAACCGGATATCTTCACTGTGAGAGAGCGGATCAAGACTCACTGAGAGCAAG 297  
 214 TACACAGGATCTTTTAACTGCGAGAGAGCGGATCAAGACTTATGAGAGCAAG 273  
 298 TTAAGGTTGCTGCGCTGAGCAATATCTGAGCAAGAGTGTCTAATGTTGGG 357  
 274 ACTGAAGTCGCTGCGCTGAGCAATCTTCTGAGTGTGATGTCMAATGTTGGG 333  
 358 GCGTTAAGGAGTGAATTTCTTAAAGAGAACCGGCTTCCAAAGTGTACTTTCT 417  
 334 GGGTGTGTGAATTTTAACTTAAAGAGAACCGGCTTCCAAAGTGTCTGTCT 393  
 418 GGAATCTCAACATGAGAAATACTCTGAGCAATCAAAATATTTTCTGTCTTGA 477  
 394 GAGCAACACAGCTGGAGAAATATCTGAGCAATCAAAATATTTTCTGTCTTGA 453  
 478 GGAATGAATGCTGTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 537  
 454 GGAATGAATGCTGTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 513  
 538 GTTTACCAATCTCCCACTACAGTGAACAGAGAGAGAGAGAGAGAGAGAGAG 597  
 514 GTTTACCAATCTCCCACTACAGTGAACAGAGAGAGAGAGAGAGAGAGAGAG 573  
 598 CCAGAAAGGCTCTGAGAGAGCTCAGTCCAGAGCGATCTTCACTCCAGTGA 657  
 574 CCAGAAAGCTCTCCCAAGAGCTCAGTCCAGAGCGATCTTCACTCCAGTGA 633  
 658 AATGAGCCACCTTCCACATGTGTAGCCAGAGAGAGAGAGAGAGAGAGAGAG 717  
 634 AATGAGC-----AGTGCACACAGAGAGAGAGAGAGAGAGAGAGAGAG 678  
 718 GTGTGAGCTTCACTGTGATGCTTCACTTAAAGAGAGAGAGAGAGAGAGAGAG 777  
 679 GTGTGAGCTTCTGTGAGAGCTTCACTTAAAGAGAGAGAGAGAGAGAGAGAG 738  
 778 AAGGAG 837

729 AAGAGCTGGGCTTCTGTTGGAGCGGCGGATTTGACCATATGCTGTCAAG 798  
 838 GACGGGAAAGATCACTCATGAAGAGAGAGATTTTGGCTGAGAGCTGTACTCT 897  
 799 GACGGGAAAGATCACTCATGAAGAGAGAGATTTTGGCTGAGAGCTGTACTCT 858  
 898 CCAGATCTGTGCTGCTTTTGTGTGTGAATGTCCAGATGAAGCTTCAATCAACC 957  
 859 CCAGATCTGTGCTGCTTTTGTGTGTGAATGTCCAGATGAAGCTTCAATCAACC 918  
 958 ATCTGTGAATGCCACTTTTCAAGGTACCAAGAGAGAGAGAGAGAGAGAGAGAG 1017  
 919 ATCTGTGAATGCCACTTTTCAAGGTACCAAGAGAGAGAGAGAGAGAGAGAGAG 978  
 1018 GTGTTCACATGAGGCGGCGGATCTGTGTGTGACAGAGAGAGAGAGAGAGAGAG 1077  
 979 GTGTTCACATGAGGCGGCGGATCTGTGTGTGACAGAGAGAGAGAGAGAGAGAG 1038  
 1078 AGGTTGGGCTTGACACCGACCTTGTCTGAAATGAAGACTGTGCTCACTCAAC 1137  
 1039 AGGTTGGGCTTGACACCGACCTTGTCTGAAATGAAGACTGTGCTCACTCAAC 1098  
 1138 CTGGCAGCCACAAATTTCAACCGATCAACCTTCAACCGGAGATCTTCCCTCG 1197  
 1099 CTGGCAGCCACAAATTTCAACCGATCAACCGATCAACCGGAGATCTTCCCTCG 1158  
 1198 CTGACAGTTTCCGCTGTAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1257  
 1159 CTGACAGTTTCCGCTGTAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1218  
 1258 GAATGCTTCTCAAGTACAGCTCCGCTCCAGAGAGAGAGAGAGAGAGAGAGAG 1317  
 1219 GAATGCTTCTCAAGTACAGCTCCGCTCCAGAGAGAGAGAGAGAGAGAGAGAG 1278  
 1318 ACTTGAATCTGAGAGATTTCACTGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1377  
 1279 GACTGCAATACAGAGATTTCACTGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1338  
 1378 GTGAGAGATCAG 1437  
 1339 GTGAGAGATCAG 1398  
 1438 TACCAAGATATCTTCTTGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1497  
 1399 TATCTGAATATCTTCTTGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1458  
 1498 AGTGCACACTGTGTCAATAGCCCGACAGTCTCTGCTATCTGAGCTGTGAGAG 1557  
 1459 AGTGCACACTGTGTCAATAGCCCGACAGTCTCTGCTATCTGAGCTGTGAGAG 1518  
 1558 ACATTTGGGACAGTGTGCGGCTATTAAGAGAGAGAGAGAGAGAGAGAGAGAG 1617  
 1519 ACTTTGGGACAGTGTGCGGCTATTAAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1578  
 1618 GCTGTGTGTGTGTGCTTCCAGCTGACAGAGATCAACAGAGAGAGAGAGAGAG 1677  
 1579 AGGCTGTGTGTGTGCTTCCAGCTGACAGAGATCAACAGAGAGAGAGAGAGAG 1638  
 1678 CTGAG 1737  
 1639 CTGAG 1698  
 1738 GCGCCCAACAGCTCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1797  
 1699 GCTCTTCAACAGCTCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1758  
 1798 CACCAATCATGATATCTCTGCAATGCTTCAAGAGAGAGAGAGAGAGAGAGAG 1857  
 1759 CACCAATCATGATATCTCTGCAATGCTTCAAGAGAGAGAGAGAGAGAGAGAG 1818  
 1858 GAGTGAAGAGATGATCACTTGTGCTGTGCAACATGTGATTTGGAAGATTTGAG 1917

Db 1819 ACATTGGAAGGCTGATAAGTCTGCTGGAAACATGTACTAGAAATTTCAAGCC 1878  
 Qy 1918 TGTCTGTGCGGCACTGCAAGCATGCTTTGGCTGTGCGCTGTGCAACAACCTGTGGCTGG 1977  
 Db 1879 TGCCGTGATCGGCACTGCAAGCATGCTTTGGCTGTGCAACAACCTGTGGCTGG 1938  
 Qy 1978 AAAGTGTCTATTCCGGGGGACCAATGCCCTGCGAGGCTCTGTGCTCGAGTGGGAAAAGT 2037  
 Db 1939 AAAGTGTCTACTCGGGGGATACCAATGCCCTGTGAGGCTCTGTGCTCGAGTGGGAAAAGT 1998  
 Qy 2038 GCCACCTCTCTGATCATGAAAGCAACCTGGAAGATGTTTGGAGAGAGAAACCACTGGA 2097  
 Db 1999 GCACCTCTCTGATCATGAAAGCAACCTGGAAGATGTTTGGAGAGAGAAACCACTGGA 2058  
 Qy 2098 AAGACACACAGCAACAGCTCCCAAGCCATCAGCTGGGGATGCGAGTGAACCGGAGTTTC 2157  
 Db 2059 AGGACACACAGCAACAGCTCCCAAGCCATCAGCTGGGGATGCGAGTGAACCGGAGTTTC 2118  
 Qy 2158 ATTATGCTGAACCACTTCAAGCGGCTATGCGCAAGGTCCTCTTCAAGCCCAACTTC 2217  
 Db 2119 ATCATGCTGAACCACTTCAAGCGGCTATGCGCAAGGTCCTCTTCAAGCCCAACTTC 2178  
 Qy 2218 AGCGGAAAGTGGAGTGGCTTTGACCATGAAAGTCTGCTTTGAGACTTTCCACA 2277  
 Db 2179 AACGGAAGTGGAGTGGCTTTGACCATGAAAGTCTGCTTTGAGACTTTCCACA 2238  
 Qy 2278 ATGCCAAGTCTGATCCCACTGAAAGCCCTGTTGCTGGAGCATGAGAGATGAG 2337  
 Db 2239 GTGCCCAAGTCTGATCCCACTGAAAGCCCTGTTGCTGGAGCATGAGAGATGAG 2298  
 Qy 2338 GAGCGGAGGAGAGAGCGGAGCTGCGGAGGTGCGGGCGGCTCTCTGTCAGAGAGCTG 2397  
 Db 2299 GAACGAGGAGAGAGAGCGGAGCTGCGGAGGTGCGGGCGGCTCTCTGTCAGAGAGCTG 2355  
 Qy 2398 GCAGCGGCTCTGAGAGATGGGAGCTTCAAGCAAGAGCGGCGGCAACAGAGAGCA 2456  
 Db 2356 GCAGCGGCTCTGAGAGATGGGAGCTTCAAGCAAGAGCGGCGGCAACAGAGAGCA 2414

## RESULT 15

US-09-988-687-221  
 ; Sequence 221, Application US/09988687  
 ; Publication No. US20030045704A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Tavtigian, Sean V.  
 ; APPLICANT: Teng, David H.F.  
 ; APPLICANT: Simard, Jacques  
 ; APPLICANT: Rommens, Johanna M.  
 ; APPLICANT: Myriad Genetics, Inc.  
 ; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
 ; FILE REFERENCE: 2318-258  
 ; CURRENT APPLICATION NUMBER: US/09/988,687  
 ; CURRENT FILING DATE: 2001-11-20  
 ; PRIOR APPLICATION NUMBER: 09/564,805  
 ; PRIOR FILING DATE: 2000-05-05  
 ; PRIOR APPLICATION NUMBER: US 60/107,468  
 ; PRIOR FILING DATE: 1998-11-06  
 ; PRIOR APPLICATION NUMBER: 09/434,382  
 ; PRIOR FILING DATE: 1999-11-05  
 ; NUMBER OF SEQ ID NOS: 240  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 221  
 ; LENGTH: 2470  
 ; TYPE: DNA  
 ; ORGANISM: Mus musculus  
 ; FEATURE:  
 ; NAME/KEY: CDS  
 ; LOCATION: (1)..(2466)  
 ; US-09-988-687-221

Query Match 66.3%; Score 1645.6; DB 11; Length 2470;  
 Best Local Similarity 81.6%; Pred. No. 0;

Matches 1958; Conservative 0; Mismatches 417; Indels 24; Gaps 4;  
 Qy 58 GCACCATATGCGACAGCAACCGCCGCGGAGCGGCGGCAAGACCCGCTGGCGAC 117  
 Db 40 CGCACCATATGCGACAGGATTCGCTGTGCGCGCGGCAACCCAAAGACCACTGGACAC 99  
 Qy 118 CTGCGCACCGGAGAGAGACCGCGGACCGGTGGGGTCTCCGCGGCGGCAACCGGTAC 177  
 Db 100 CTGCGCTACGCGGAGAGACCGCGGCC-----GGGTCCCGGGGGCGGCAACCGGTAC 153  
 Qy 178 CTGCAAGTGTGTGCGACGCGGATAGCTGGGACCTGGGCGCGGCTTACGTCTTCCGAG 237  
 Db 154 CTGCAAGTGTGTGCGCGCGGCGGCGGCGGAGCGGGGGGTGCTCTTAATGTCTTCGGA 213  
 Qy 238 TTCAACCGGTATCTTCAACTGTGAGAGAGCGGCTTCAAGACTCATGAGAGAGCAAG 297  
 Db 214 TACAAAGGTACTTTTAATCTGCGAAGAGCGCTTCAACGACTTAATGAGAGACAGAG 273  
 Qy 238 TTAAAGTGTGCTCGCTGAGCAACATATCTGACAGCAATGCACTGTATATGTGGG 357  
 Db 274 ACTGAAAGTGTGCTGCTGAGCAACATCTTCTGACTCGGATGCAATGTGTGGG 333  
 Qy 358 GGTCTAAGTGAATGATCTTAACTTTAAAGAAACCGGCTTCCAAAGTGTACTTTCT 417  
 Db 334 GGGTGTGTGAAATGATTTTAACTTTAAAGAAACCGGCTTCCAAAGTGTGTCT 393  
 Qy 418 GAACTCCACAACCTGGAATAATACCTGAGAGCAATCAAAATTTTCTGTGCTCAATGAA 477  
 Db 334 GAACTCCACAACCTGGAATAATACCTGAGAGCAATCAAAATTTTCTGTGCTCAATGAA 453  
 Qy 478 GAAATAGAACTGTGCTGTGCGGCGGCACTGTGCGGCGGCAATGAGAGTAAACATGACA 537  
 Db 454 GAAATAGAACTGTGCGGCGGCGGCGGCTGCTGCTGACCAAGATCAAGATGAGACATGACT 513  
 Qy 538 GTTTACCAATGCCCATATCAAGTGAACAGAGAGAGAGAGACCAACATGAGAGT 597  
 Db 514 GTTTACCAATGCCCATATCAAGTGAACAGAGAGAGAGAGACCAACATGAGAGT 573  
 Qy 598 CCAGAAAGGCTCTGAGAGGCTGACAGGCTGACAGAGGATCTTCAAGTCCGAGTCAATGA 657  
 Db 574 CCAGAAAGGCTCTGAGAGGCTGACAGGCTGACAGGATCTTCAAGTCCGAGTCAATGA 633  
 Qy 658 AATGAGCCACACTTCCACATGATGTGAGCAGAGAGAGAGGAGTCAAGGACTCTTCCCTG 717  
 Db 634 AATGGC-----AGTCCCAACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 678  
 Qy 718 GTCTGATCTTCAATGTAAGCTTCACTTAAAGAGAGAGAGAGAGAGAGAGAGAGAGAG 777  
 Db 679 GTCTGATCTTCAATGTAAGCTTCACTTAAAGAGAGAGAGAGAGAGAGAGAGAGAGAG 738  
 Qy 778 AAGAGATGGGCTCCGATGAGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 837  
 Db 739 AAGAGATGGGCTCCGATGAGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 798  
 Qy 838 GACGGGAAAGACATCACTCATGAAAGAGAGAGATTTTGGCTGAGAGAGAGAGAGAGAG 897  
 Db 799 GACGGGAAAGATCACTCATGAAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 858  
 Qy 898 CCAATCTGTGTGCTCTTGT 957  
 Db 859 CCAATCTGTGTGCTCTTGT 918  
 Qy 958 ATCTGTGAGATGCAACCTTCAAGAGTACCAAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1017  
 Db 919 ATCTGTGAG 978  
 Qy 1018 GTGTTTCAATGAGCGGCGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1077  
 Db 979 GTGTTTCAATGAGCGGCGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1038  
 Qy 1078 AGTTTGGGCTGACACCGAG 1137  
 Db 1039 AGTTTGGGCTGACACCGAG 1098

1138 CTTGAGGACACAGATTCAAACCCAGCTCAACTCATCCACCCGGACATCTTCCCCCTG 1197  
1099 CTGGCAGGACACAGATTCAGACCCAGCTCAGCTCATCCAGCTTCTTCCCCCAG 1158  
1198 CTGACAGATTCGCTGTAAAGAGAGAGGCCCTCAGTGTGCCATGGTTCAAGGT 1257  
1159 CTACAGGCTTCTATATAGAGAGAGAGGGTCCACCTCAGGCTCCAAACATGTGGGGT 1218  
1258 GAATGCTTCTTAAGTATACAGCTCCGCTCCAGAGAGAGATGGCAGAGAGATTCAT 1317  
1219 GAATGCTTCTTAAGTATACAGCTCCGCTCCAGAGAGATGGCAGAGAGATTCAT 1278  
1318 ACTTCAATCTGAGGAATTCATAGTTGAGGCTGCTGACGCTTCCCACTTCCAGAGAG 1377  
1279 GACTGCAATCTGATGATTAATTAAGTGTAGGCTTGTAGAGCTCCAGCTTCCAGAGAG 1338  
1378 GTGAGAGATACAGAGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1437  
1339 GTGAGAGAGATACAGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1398  
1438 TACCCAGAAATCATCTTCTTGGAAAGAGGCTGCTGCTCCATCCGATGAAGATGAAATG 1497  
1399 TATCTGAATGCTTCTGAGTACGAGGCTGCTGCTCAATGAGATCCGAATGTC 1458  
1498 AGTGCCACATCTGTAACATAGCCCGACAGCTCTGCTACTGAGCTGTGAGAGGCT 1557  
1459 AGTTCCACATCTGTAACATAGCCCGACAGCTCTGCTACTGAGCTGTGAGAGGCT 1518  
1558 ACATTTGGGAGAGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1617  
1519 ACTTTGGGAGAGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1578  
1618 GCTGCTGT 1677  
1579 ACGGCTGT 1638  
1678 CTGAGAGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1737  
1639 CTGAGAGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1698  
1738 GCGCCCAACAGCTCAAGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1797  
1699 GCTCCATACAGCTCAAGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1758  
1798 CACCATCATGATGATTTCTGTGCAAAATGCTTCAAGAAAGGGGCTGATCTTCACT 1857  
1759 CACCATCATGATGATTTCTGTGCAAAATGCTTCAAGAAAGGGGCTGATCTTCACT 1818  
1858 GCAGTGAAGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1917  
1819 ACATTTGAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1878  
1918 TGTCTGT 1977  
1879 TGTCTGT 1938  
1978 AAAAGTGTATTTCCGGGAGACCATGCTTGTGAGGCTTGTGAGGCTTGTGAGGCT 2037  
1939 AAAAGTGTATTTCCGGGAGACCATGCTTGTGAGGCTTGTGAGGCTTGTGAGGCT 1998  
2038 GCGACCTCTGATATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2097  
1999 GCGACCTCTGATATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2058  
2098 AAGACACACAGACCAAGCTTCCAGGCTATGAGGAGGAGGAGGAGGAGGAGGAGGAG 2157  
2059 AAGACACACAGACCAAGCTTCCAGGCTATGAGGAGGAGGAGGAGGAGGAGGAGGAG 2118  
2158 ATTATGCTGAACCATTTAGGCTGAGGCTATGAGGAGGAGGAGGAGGAGGAGGAGGAG 2217  
2119 ATCATGCTGAACCATTTAGGCTGAGGCTATGAGGAGGAGGAGGAGGAGGAGGAGGAG 2178

2218 AGCGAAGAGTGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2277  
2179 AAGCGAAGAGTGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2238  
2278 ATGCGAAGAGTGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2337  
2239 GTGCGAAGAGTGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2298  
2338 GAGCGAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2397  
2239 GAGCGAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2355  
2398 GAGCGAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2456  
2356 GCGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2414

Search completed: January 14, 2004, 07:37:04  
Job time : 921.179 secs